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The
CHEMIST AND DRUGGIST
for RETAILER - WHOLESALER - MANUFACTURER
Established 1859 28 Essex Street, Strand, London, W.C.2. Registered as a Newspaper

3506
L. CXLVII MAY 3, 1947 Annual Subscription (with Diary) 30/-. Single Copies 1/-.

For 75 years...

Wright's have been proud to maintain their policy of supplying the finest pharmaceutical preparations at reasonable prices. BULK DRUGS ★ DISINFECTANTS ★ PACKED PHARMACEUTICALS ★ AMPOULES ★ HYPODERMIC TABLETS

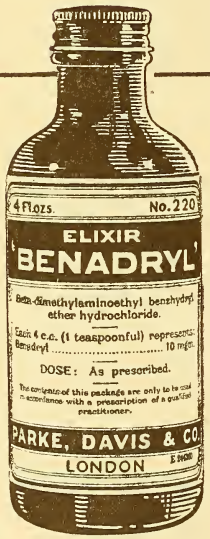
WRIGHT, LAYMAN & UMNEY
LIMITED
SOUTHWARK STREET · LONDON, S.E.1 · HOP 4021
(10 LINES)

Index to Advertisers pp. 5 & 6

'Benadryl' ELIXIR

'Benadryl,' the synthetic anti-allergic for oral use, is now available as a palatable elixir.

Each teaspoonful of the elixir contains 10 mgm. of 'Benadryl' and this facilitates the administration of doses of less than the 50 mgm. contained in one capsule.



'Benadryl' Elixir is available in bottles of 4 and 16 fluid ounces. 'Benadryl' is also available in bottles of 50 capsules of 50 mgm.

Further details will be supplied on request.

PARKE, DAVIS & COMPANY

50, BEAK STREET, LONDON, W.1

LABORATORIES: HOUNSLOW, MIDDLESEX

Inc. U.S.A. Liability Ltd.

SPECIAL ANNOUNCEMENT

Elasto

REGISTERED A Bio-Chemical Product

Responds to the call for

RE-INSTATEMENT OF 20/- PACK

The Special 20/- Five Months' Course of Elasto, temporarily withdrawn owing to supply difficulties, is again available through your usual wholesaler.

Wholesale	INCLUDING PURCHASE TAX	*Retail*
168/- PER DOZEN		**20/-** PER PACKET

SIX SHILLINGS PROFIT ON EVERY SALE!

Take your share of this non-competitive and highly profitable business by placing an order with your wholesaler today. The public will have Elasto so let them know you can supply. A showcard displayed in your window will bring to your counter the customer created by our widespread and consistent advertising.

'Elasto' is advertised as a chemists' line.

P.A.T.A.

THE NEW ERA TREATMENT CO. LTD.

CECIL HOUSE, HOLBORN VIADUCT, LONDON, E.C.

Whiffen

TESTED PURITY

WE WILL BE PLEASED TO WELCOME ALL OUR OLD FRIENDS AGAIN AT THE B.I.F. AFTER A LAPSE OF SEVEN YEARS

BIF 1947
OLYMPIA & EARLS COURT
LONDON
5-16 MAY
SEE OUR EXHIBIT

WE CAN BE FOUND ON

STAND A1053

✱The Association of British Chemical Manufacturers has an Enquiry Office on STAND A1123 in the centre of the chemical section.

WHIFFEN & SONS, LTD.

INCORPORATING GEORGE ATKINSON & COMPANY ESTABLISHED 1654

FULHAM, LONDON, S.W.6

Telephone : Renown 3416 Telegrams : Whiffen, London

Now being advertised to the Medical Profession

—for the scientific control of hyperacidity. A colloidal gel containing 6% aluminium hydroxide which produces alkalinity of the gastric contents without causing additional secretion of acid. Palatable and pleasant to take.

Subject to 33⅓% trade discount, all orders can be executed immediately.

Available in 6 oz., 12 oz. and 80 oz. bottles.

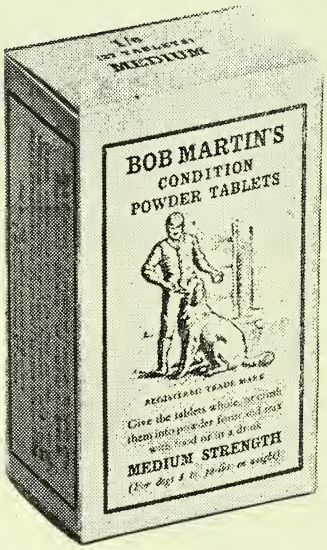
PATA

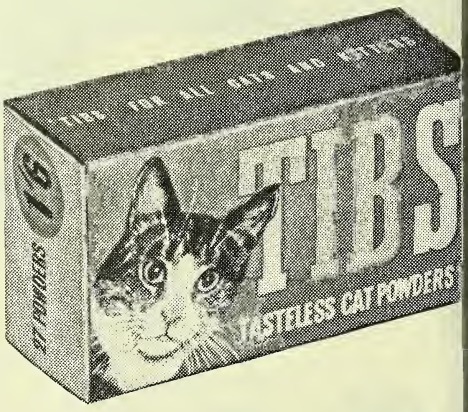
Crookes **LACTALUMINA**

HE CROOKES LABORATORIES LIMITED
ARK ROYAL LONDON, N.W.10

BACK TO BIG CARTONS

for BOB MARTIN'S Condition Powder Tablets and 'TIBS





Welcome news! Both Bob Martin's Condition Powder Tablets and 'TIBS' Cat Powders are available again in large cartons. This time each carton contains 27. In both cases the wholesale price is 12/- per dozen cartons (excluding purchase tax); the retail price is 1/6 a carton (including tax); and *orders are subject to bonus and discount terms.*

Cartons mean greater security in packing, easier handling in your shop, and bigger sales for you.

The black-and-white Condition Powder Tablet carton has been redesigned, but keep the character of the old Bob Martin pac with its 1892 tradition. The grey-and-yello 'TIBS' carton, with its eye-catching cat, i outstanding and unmistakable.

DISPLAY MATERIAL

We've some arresting counter displays an window bills ready. But naturally th quantity is limited, so please apply quickly And don't forget that our advertising i going from strength to strength, so it's wis to see that you're well stocked up!

BOB MARTIN LIMITED, SOUTHPORT, LANCS

INDEX TO ADVERTISERS

ffined Basic Chemicals, Ltd. xxvi
ngeene Dist. Agents xix
tkinsons 16
yrton, Saunders & Co., Ltd. 10

.B. Insecticides xxi
arnes, Gowland & Co., Ltd. 30
ayer Products, Ltd. xxiii
eatson, Clark & Co., Ltd. iv
eechams Pills, Ltd. 23
Belfast Telegraph " xvii
ell & Sons Ltd. xix
ell, John, Hills & Lucas, Ltd. Leader Page
engué & Co., Ltd. 22
enjamin, M. L., & Co. 22
erton, Arthur, Ltd. xxiv
etalax Co., The 29
io-Colloids, Ltd. 14
lackwell, Hayes & Co., Ltd. ii
ob Martin, Ltd. .....4, xxii
oxfoldia, Ltd. xviii
rannan, S., & Sons, Ltd. ... vii
rent, Peter & Co., Ltd. 30
retts, Dr. Laboratories xxviii
ristow, T. F. & Co., Ltd. ... 21
ritish and International Proprietaries, Ltd. xxx
ritish Disinfectant Co., Ltd. xx
ritish Surgical & Drug Co., Ltd. xxxi
ritton, Malcolm & Co., Ltd. v
rontan, Ltd. xxvi
rook, Parker & Co., Ltd. ... xiv
urgoyne Burbidges & Co., Ltd. i

Burrough, James, Ltd. ..... Leader Page
Burroughs Wellcome & Co. ... 35

C. 194 Products, Ltd. xxv
Calthorpe, M., & Co., Ltd. xxviii
Cellucotton Products, Ltd. vi
Ciba, Ltd. 36
Continental Laboratories, Ltd. 26
Coty (England), Ltd. 33
Cox Arthur H., & Co., Ltd. Cover iv
Cox, J., & Co. xvii
Crookes Laboratories, Ltd. ... 3
Cussons, Sons & Co., Ltd. Cover iii
Cyclo Chemicals, Ltd. xxviii

Dales Aspirin and Tableting Co. 15
Daniel, Richard, & Son, Ltd. 13
Davies, James W. (Western), Ltd. xxx
Dearborn (1923), Ltd. 34
Devon, D., Ltd. 34
Dominion Steel Corporation, Ltd. xix
Dring, J., Ltd. xix
Drugs & Toilets (Pty.), Ltd. ... iii
Duncan, Flockhart & Co. iii

Eames, Geo., Ltd. xxx
Edge, Wm., & Sons, Ltd..... xxii
Edosan, Ltd., ... vi
English Grains Co., Ltd. xxv
Esmorea Chemical Products, Ltd. 31

Everett, S. & R. J., & Co., Ltd. vi

Fassett & Johnson, Ltd. 12
Faylene Manufacturing Co. ... 22
Ferris & Co., Ltd. 14
Field, C. W., Ltd. ii
Flenovak, Ltd. xi
Freeman, William, & Co., Ltd. vi
Freudentheil, Smith & Co. Leader Page
Fryer & Co. (Nelson), Ltd. Leader Page
Furmoto Chemical Co. (Factors), Ltd. x

Gardiner & Co. (The Scotch House), Ltd. ix
Genatosan, Ltd. xxix
Gerrard Walters & Co., Ltd. ix
Gordon & Gotch, Ltd. xvii
Griffiths Hughes, E., Ltd. ... xxix
Guiterman, S., & Co., Ltd. ... v
Gutkind, F., & Co., Ltd. ii

Halsteads (Chemists), Ltd. ... xxvii
Harker, C. R., Stagg & Morgan, Ltd. 14
Harrogate Tablet Co., Ltd. ... 29
Harvey & Co. (Dublin), Ltd. Leader Page
Hatchwell Co., Ltd. xviii
Herts Pharmaceuticals, Ltd. 13, 26
Hirst, Stuart, Ltd. ...Leader Page

(*continued overleaf*)

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DUSTING POWDER
SPRAY POWDER
LIQUID SPRAY

ll supplied at keenly competitive rices; expert technical advice rovided if required.

Available at varying strengths. In packs for retail sale and in bulk containers. Promptest possible delivery.

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INDEX—(cont.)

Howard Lloyd & Co., Ltd. ... 8
Hunter Beattie Products, Ltd. 22

Imperial Chemical (Pharmaceuticals), Ltd. 20
International Chemical Co., Ltd. 27
Ioco, Ltd. vii

Jackson, G., & Sons, Ltd. 10
Jarvie, Hugh & Co., Ltd. xiii
Jeffreys, Miller & Co., Ltd. ... 15
Johns, Son & Watts, Ltd. iv

K.F.J. Distributors xxx
Kearsley, C. & G., Ltd. 15
Keen, Robinson & Co., Ltd.... 13
Kemball, Bishop & Co., Ltd. xv
Kenrosa, Ltd. 30

Lawrence, Geo. H. Ltd. xxiii
Leda Chemicals, Ltd. xii
London & Provincial Factors Ltd. xxii

Macdonald & Son, Ltd. ix
Macleans, Ltd. 9
Maclennan Products, Ltd. ... 12
Martin, Bob, Ltd. .....4, xxii
May & Baker, Ltd. 19
Meggeson & Co., Ltd. xxxii
Menley & James, Ltd. 24

Napp, H. R., Ltd. ...Leader Page
Nesfield, Eleanor, Ltd. 28

New Era Treatment Co., Ltd. 1
Newball & Mason, Ltd. 15
North British Rubber Co., Ltd. x
Organon Laboratories, Ltd. ... 28
Oxo, Ltd. xxiv

Parke Davis & Co. .....Cover ii
Parker-Hale, Ltd. 24
Percenta, Ltd. 34
Pigalle (International), Ltd. ... 34
Potter & Clarke, Ltd. 17
Pratt, Sir John, & Co. iv
Preemo & Silks Toilet Co. ... 32
Prince Regent Tar Co., Ltd. 6

Ransom, Wm., & Son, Ltd. ... 18
Rayner & Co., Ltd. xxvi
Reed Bros. (Engineering), Ltd. iv
Reliance Rubber Co., Ltd. ... viii
Rendell, W. J., Ltd. xvi
Rentokil, Ltd. xviii
Revai, A., & Co., Ltd. ii
Riddell Products, Ltd. xxv
Robinson Bros., Ltd. 10
Robinson & Sons, Ltd. viii

Salter, George, & Co., Ltd. ... iv
Sandoz Products, Ltd. 25
Saquerre, Ltd. xxx
Scientific Pharmacals, Ltd. ... 32
Scruton, Oscar, & Co., Ltd.... 14
Scram, Co. xx
Scurr, C. A. xxx
Secto Co., Ltd. xxx
Selto (Eastbourne), Ltd. xxvii
Sigal, S., & Co., Ltd. 24
Singer, Ernest M. iii

Smith, T. J., & Nephew, Ltd. xi
Soft Drinks Industry x
Sorelle, Jean, Ltd. 24
Splendor, Ltd. 8
Stemco Ltd. xx
Sumner, R., & Co., Ltd. 15
Surgical Equipment Supplies, Ltd. v
Sutton, W., & Co., Ltd. 15

Tampax, Ltd. vii
Thornton & Ross, Ltd. 8
Tintex Dyes xxi
Tyne Truck & Trolley Co., Ltd. xi

Ulster Pharmaceuticals, Ltd.... 34
United Chemists Association, Ltd. 7
United Chemists Supplies xxx
Universal Brush Co. 31

Velvet Crepe Paper Co., Ltd. 26
Vigon, J. J., & Co., Ltd. xxx

Wander, A., Ltd. 11
Watford Chemical Co., Ltd. ... 5
Wesley, Harold Ltd. viii
Westminster Laboratories, Ltd. 12
Whiffen & Sons, Ltd. 2
Wilcox, Jozeau & Co., Ltd. Leader Page
Wilsons (Bradford), Ltd. xxvii
Wrens (Pty), Ltd. xxiv
Wright, Layman & Umney, Ltd. .....Front Cover
Wylies Cleansers, Ltd. xxi

Disinfectants

to Hospitals, Public Institutions, Local Councils, &c.

REMEMBER that

BURT, BOULTON & HAYWOOD LTD. Managers to the **PRINCE REGENT TAR COMPANY, LTD.**

give you special terms.

Carbolic Disinfecting Fluids containing 10% to 80% Tar Acids.

White Disinfecting Fluids—miscible in salt, fresh or brackish water, Co-efficients 18/20, 22/24.

Lysol B.P. Quality.

Pink Disinfecting Powders.

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Carbolic Disinfecting Fluids, Rideal Walker Co-efficients 2 to 20.

Liquid Carbolic and Cresylic Acid, Pale, 99/100%.

Formaldehyde (Formalin) 40% Solution.

Carbolic Weed Killer, etc.

Tar Acids and Rideal Walker Co-efficiency guaranteed. May be sold by Chemists and Druggists under own name.

Special Disinfectant Fluids approved by the Ministry of Agriculture under the "Diseases of Animals Acts." May be packed and sold by Chemists under own name.

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(Managers: BURT, BOULTON & HAYWOOD, LTD.)

BRETTENHAM HOUSE, WELLINGTON STREET, STRAND, LONDON, W.C.2

Phone: Temple Bar 6901 (5 lines) *Telegrams: "Burbout, Rand, London"*

Yet another 'Ucal' product now available in limited supplies.

Ucal

DOPO-PLUS
D.D.T. / GEIGY
KILLS FLIES, FLEAS, BUGS, ETC.

DIRECTIONS
To destroy quickly Flies, Fleas, Bugs, Beetles, Moths, Cockroaches, Ants, Crickets, Wasps, and similar Pests, simply sprinkle freely in the infected places.
Fleas and Mosquitos.
A little Powder sprinkled on the window sill or on the fire will keep these pests away.

PACKED BY
UNITED CHEMISTS ASSOCIATION LTD.
CHELTENHAM

SAMARITAN *Ointments*

are again freely available in a wide range of titles including Chilblain, Lanoline, Wintergreen, Zinc and other B.P. and B.P.C. formulæ. Several exclusive prescriptions are also included in the series.

Prices and Samples on application.

TR 132

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Manufacturing Chemists
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An excellent formula
—a striking pack
—a rapid seller
and steadily advertised.

3½d., 6½d., 1/5 and 2/6 Incl. P. Tax

Prompt delivery from all wholesalers or direct from

SPLENDOR LTD.
LONDON and NOTTINGHAM

See our Stand No. A1326 British Industries Fair, Olympia, London.

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DOUBLE POWER
TABLETS
REALLY STOP PAIN P.A.T.A.

PILLS
TABLETS
CAPSULES

The British Made Products of

HOWARD LLOYD & Co. LTD.
LEICESTER

Lucozade

NEW RETAIL PRICE 2/6 PER BOTTLE

(PLUS A BOTTLE CHARGE OF 3d.)

Owing to increased costs in the production of Lucozade the retail selling price was increased to 2/6d. per bottle, plus a bottle charge of 3d., from 8th April 1947. This revised price is inclusive of Purchase Tax, and the bottle charge of 3d. should be refunded to purchasers of Lucozade when the empty bottle is returned, complete with stopper.

TERMS TO PHARMACISTS

Revised terms to pharmacists purchasing Lucozade direct are as follows :-

MINIMUM PACK (Dozens)	PRICE PER DOZEN			
	STANDARD WHOLESALE PRICE	INTERMEDIATE DISPLAY TERMS	BEST DISPLAY TERMS	PURCHASE TAX
1	20/-	19/6	19/-	3/4

The display Parcel Terms will apply to Lucozade when ordered with other products.

THREE SPECIAL POINTS

★ To ensure future supplies of Lucozade it is essential that all empty bottles fitted with stoppers, in the original railway containers, should be returned quickly in 3 dozen lots by using the special consignment notes provided.

★ To maintain an even distribution of Lucozade in all districts representatives of Macleans Ltd. will, from 8th April 1947, allocate quanti ies of Lucozade at regular intervals when calling on pharmacists.

★ Supplies of Lucozade invoiced on or after 8th April 1947 should be sold at the new retail price of 2/6d. per bottle, plus a bottle charge of 3d., but stocks of Lucozade invoiced before that date should continue to be sold at the former price of 2/3d. per bottle plus a bottle charge of 3d., as described on the label, to conform with the Soft Drinks Order of 1946 which prescribes the maximum prices.

SOLE DISTRIBUTORS AND SELLING AGENTS

MACLEANS LTD., GREAT WEST RD., BRENTFORD, MIDDX.

AYRTONS *for* PENICILLIN CREAM B.P.

No. 1 MAKING SET (The Original) ANHYDROUS comprises 6 pots Sterile base (Anhydrous) ; 100 c.c Chlorocresol Solution (0·2%) in sterile water.

The contents of the smallest package of Penicillin Sodium or Calcium Salts (100,000 units) is dissolved in the Chlorocresol Solution, slightly warmed (not exceeding 60° C.) One-sixth part of this is introduced to each of the six pots of sterile anhydrous base at same temperature. Each pot must be opened and closed momentarily for the process, shaken vigorously and cooled rapidly. The Penicillin Cream B.P. must be used within seven days.

Per set (to make 6 pots) ... **6/-** *Penicillin (100,000 units)* ... **1/4**

No. 2 MAKING SET. HYDROUS comprises 4 jars 23 grammes hydrous base, 4 ampoules 2 c.c. Chlorocresol Solution 0·1% and one tube of 4 tablets each 12500 units Penicillin (Calcium Salts).

One tablet is dissolved in one ampoule and mixed thoroughly into one jar of base.

Per set (to make 4 pots) **8/-**

No. 3 DAILY POSTAL SERVICE. Penicillin Cream B.P. freshly made and posted immediately. *Per ounce, post paid* **2/-**

PENICILLIN SOLUTION TABLETS. Each tablet 12500 units (Calcium Salts).

Tubes of Eight ... ... *each* **2/7**

PENICILLIN OINTMENT B.P. *1 oz. jars...per doz.* **16/-** *2 oz. jars...* *per doz.* **30/-**

PENICILLIN EYE OINTMENT. *1 drachm tubes* ... ... *per doz.* **10/-**

PENICILLIN LOZENGES B.P. *20's* ... ... *per doz.* **12/-**

AYRTON SAUNDERS & CO. LTD. LIVERPOOL

(JF 6

AMINES

N. ETHYL PIPERIDINE

Reagent for the chemical assay of

PENICILLIN G.

Available in Evaluation Quantities

Manufactured by

ROBINSON BROTHERS LTD

Chemical Manufacturers

RYDERS GREEN, WEST BROMWICH

Head Office : OLDBURY, Birmingham

Modern Salicylate Therapy

THE popularity of acetylsalicylic acid is undoubtedly due to the fact that it is one of the most effective non-narcotic analgesics available. Often, however, its use has been discarded by the physician on account of the possibility of its irritating the gastro-intestinal tract.

'Alasil' provides the beneficial therapeutic effects of acetylsalicylic acid in such a form that it is acceptable even by disordered digestions. This tolerability is due to the fact that it combines acetylsalicylic acid with Dibasic Calcium Phosphate and 'Alocol,' an effective gastric sedative and antacid.

Since 'Alasil' is so well tolerated its use can be pushed or prolonged to the desired extent. 'Alasil' is, therefore, an analgesic, antipyretic and sedative, which can be employed with complete confidence in all the many conditions in which acetylsalicylic acid is indicated.

Alasil Tablets

Aspirin with a Difference

Retail Prices: Bottles, **1/5** *and* **2/10**
Including Purchase Tax

Trade Prices: **11/3** *and* **22/6**, *plus Purchase Tax*

On the P.A.T.A.

A. Wander, Ltd., 5-7 Albert Hall Mansions, London, S.W.7
Works, Laboratories and Farms: King's Langley, Herts.

P.A.T.A.

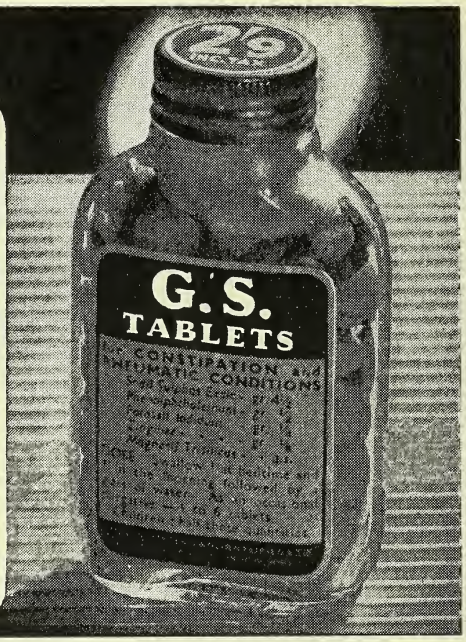
G.S. Tablets

FOR CONSTIPATION AND RHEUMATIC CONDITIONS

Pack	Retail inc P.T.	Trade doz.	Pur. Tax. doz.
50 tablets	1/5	10/-	1/8
110 tablets	2/9	20/-	3/4

From your C.F. Wholesaler or, in case of difficulty, from the manufacturers,

WESTMINSTER LABORATORIES LTD.,
Chalcot Rd., London, N.W.1
Tel.: PRImrose 3395/6/7



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"VITAL FORCE" is the new tonic, with the approved formula. Nationally advertised. Retails at 3/9. Shows liberal profit margin. Counter display and showcard material in full colours.

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VITAL FORCE

THE BUSY PERSONS TONIC

Supol

HAEMORRHOIDAL SUPPOSITORIES
SOLD THROUGH CHEMISTS ONLY

ALMOST 40% PROFIT

SUPOL gives rapid relief and lasting comfort in hæmorrhoidal pains, rectal irritation, etc. You get grateful customers and almost 40% profit. Hundreds of doctors are now prescribing SUPOL, others are being circularised. A free sample will be sent to your local practitioner on request.

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'PATENT' GROATS

NEW PRICES ARE IN OPERATION and CONSUMER PRICES SHOULD BE

1lb. TINS 1/7½d.

½lb. ,, 10d.

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EEN, ROBINSON & CO. LTD.
CARROW WORKS, NORWICH

Introducing

'PENEUCIN'
TRADE MARK BRAND

PENICILLIN OINTMENT B.P.

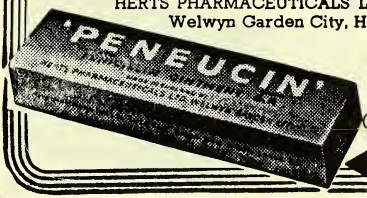
In 'PENEUCIN', penicillin is compounded with 'Eucerin' Anhydrous, our well-known brand of Ung. Alcoh. Lanæ B.P. 'PENEUCIN' provides an elegant, stable and non-irritant ointment for use whenever penicillin ointment B.P. is prescribed.

'PENEUCIN' is supplied in tubes of 30 grammes, each gramme containing 500 units of penicillin (calcium salt).

Trade price per dozen tubes 16/-

Retail price per tube 2/-

HERTS PHARMACEUTICALS LTD.,
Welwyn Garden City, Herts.



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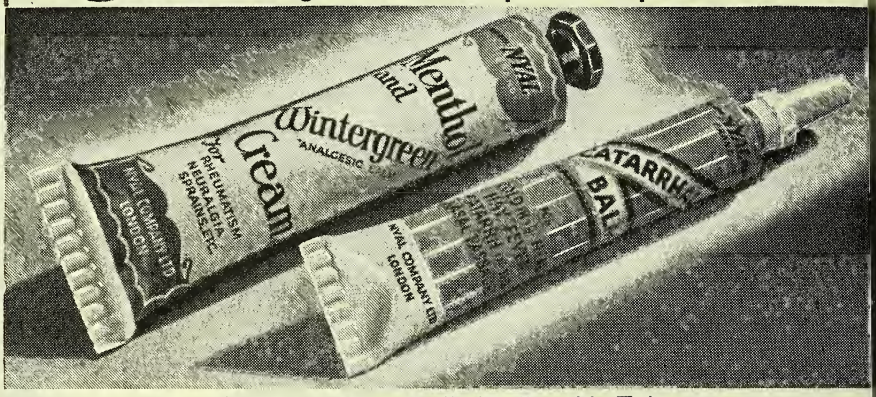
HPL

NYAL PRODUCTS

Once again in their pre-war packs



In attractive enamelled collapsible Tubes

"NYAL" CATARRHAL BALM 1/7 SIZE . . . . . 10/6 DOZ. PLUS P/TAX

"NYAL" MENTHOL & WINTERGREEN CREAM 1/9 SIZE . . . 12/- " " "

Not available for the Irish Free State

NYAL COMPANY LTD EMMOTT STREET, LONDON. E.1.

Subsidiary of C.R.HARKER, STAGG & MORGAN LTD LONDON, E.1.

Bottleneck . . .

The reason that the demand is outstripping the supply of this well-known children's remedy is because of an acute shortage of bottles. The more bottles you can return to us, the more 'Nurse Harvey's' we can send to you. Can you help?

Baby's next best friend..

O. SCRUTON & CO. LTD.
BARKER LANE, YORK
Members of the P.A.T.A

NURSE HARVEY'S MIXTURE

NEPENTHE

(The best and safest preparation of Opium)

Prescribed for over 100 years

FERRIS & COMPANY LIMITED, BRISTOL

SD2

The Symbol of PERFECT Skin Health

A revolutionary product for the treatment of skin illnesses with unusual penetrative power. Sold under a money-back guarantee of satisfaction. Liquid and cream. Prompt deliveries.

BIO-COLLOIDS, LTD., ALTRINCHAM, CHES.

P.A.T.A

BC80

ALWAYS ONE JUMP AHEAD !

Diana Marsh

★ NOW ALSO AVAILABLE

Talcum Powder, Nail Polish, Nail Polish Remover, Leg Make-up Sponge-Tex Pads, Sponge-Tex Cleansing and Application Pads, Hair Remover Mitts

NEW PRESENTATION OF SOFT LAMBSWOOL PUFFS

915. 4″ Powder Bowl - 33/- per doz.
916. 4½″ ,, ,, - 47/- ,, ,,
917. 5½″ ,, ,, - 67/6 ,, ,,

Plus 100% Purchase Tax

PACKED IN ACETATE CONTAINERS OF ATTRACTIVE DESIGN

ORDER NOW for New Season Trade

Write for full particulars of our sundries range.

W. SUTTON & CO. DRUGGISTS SUNDRIES LONDON LIMITED
Established 1660
Horseshoe Lane, Enfield, Middlesex Tele : Enfield 4747 (10 lines) Grams : Vinaigrette, Enfield

SURE-SELLING STOCK!
OVER 150 YEARS REPUTATION
KEARSLEY'S
THE ORIGINAL
WIDOW WELCH'S FEMALE PILLS
9d. BOX PROFIT by ordering 1 dozen 2/10 size. Bonus box given on every dozen (13). It pays to push this size.
C. & G. KEARSLEY LTD.
71 Dartmouth Rd., London, S.E.23
Est. 1787 In the Reign of King George III

CLARK'S medical
LIVER & KIDNEY SALT
An old favourite and ready seller *now available again, to* retail at 1/1½d. A Newball & Mason line. Attractive pack, attractive terms. Write for details.
NEWBALL & MASON LTD., NOTTINGHAM. Est. 1850

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Skin Deep

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The Borough received a grant of Arms in 1902, the shield being divided into four, each quarter representing one of the four parishes, St. Mary Overy (now Southwark Cathedral), St. Mary, Newington, St. George the Martyr and Christ Church.

Southwark abounds in things of historical and literary interest. Shakespeare's brother Edmund, an actor, is buried in the Cathedral. Massinger and Fletcher, the dramatists, are also buried there. John Harvard, the founder of the great American University, was baptised in the church in 1607. The old Tabard Inn, immortalised by Chaucer, was in the High Street. The old Marshalsea Prison was just off the High Street, recalling Dickens's description of this miserable gaol; and some years ago Little Dorrit's garret was discovered by means of the drawing by "Phiz".

The Borough's Motto reads "United to Serve".

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Ph.163m

Bristow

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	PER GROSS Trade Price	Purchase Tax	Retail Price including P. Tax.
W. 1 Iktholine Toilet Soap	66/-	21/5	9½d.
W. 2 Solforoid Toilet Soap	66/-	21/5	9½d.
W. 5 Baby Soap	62/-	20/2	8½d.
W. 6 English Wallflower Toilet Soap	80/-	26/-	11½d.
W. 9 Beauty Toilet Soap	57/6	18/8	8d.
W. 10 Beauty Bath Soap	110/-	35/9	1/3½
W. 12 English Wallflower Bath Soap	159/-	51/8	1/11
Owing to the withdrawal of the subsidy on oils and fats, and other increases, the revised prices of SHAVING SOAPS are as follows:			
W. 19 Iktholine Shaving Stick uncased	84/-	27/3½	1/1
W. 20 Iktholine Shaving Stick in Bristolite Case	135/-	43/10½	1/8

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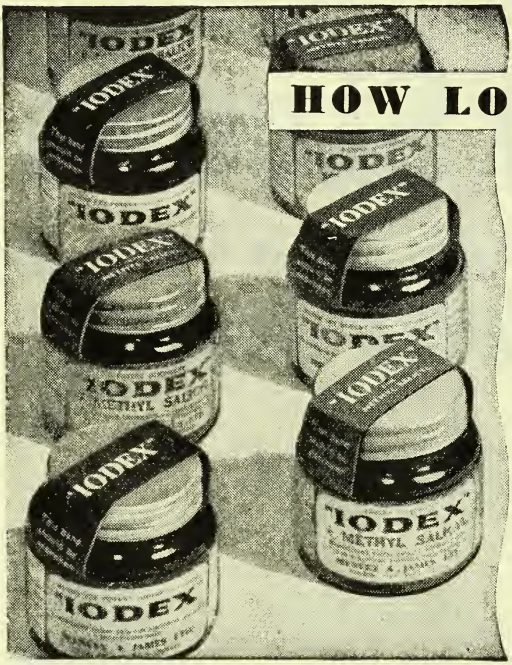

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Don't forget that bad feet are by no means confined to older folk. You'll be surprised at the number of young people who will buy 'Freezone' from you.

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A Liver Extract of Exceptional Purity and High Hæmopoietic Activity for Painless Parenteral Therapy.

For the treatment of:—

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Every batch issued is clinically tested

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CHILDREN LOVE THEM – SO WILL YOU

THE BETALAX CO.
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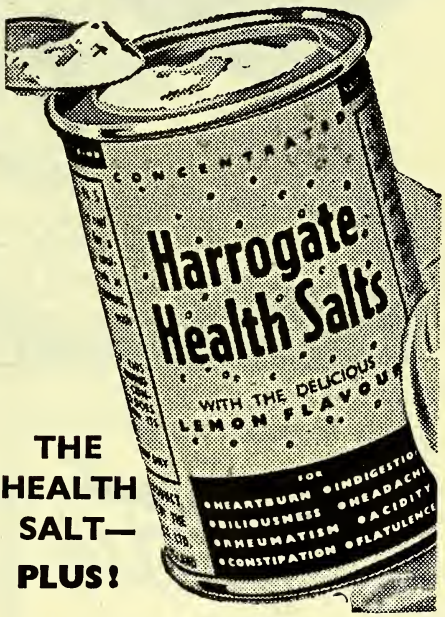

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17/- per doz.	32/- per doz.
(Purchase tax 2/10) Retail selling price 2/- (incl. tax).	(Purchase tax 5/4) Retail selling price 3/9 (incl. tax).

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Manufactured by
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TONEREY'S DRY SHAMPOO ETC.

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BOTTLES 1-dram—12-ozs. (British and French) for Perfume, Toilet and Pharmaceutical purposes.

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can now be supplied . . .

LA VICTOIRE and three other bouquets —*Coquine, Fleuri* and *Bruyere*. Supplies are limited so order yours NOW!

Singly boxed 36/- per doz. Retail price (including Tax) 7/6 each
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Luxuriously finished in jewelled plastic. A supreme example of modern elegance in toilet-ware.

See our exhibit at
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This is the **NOVEL** and **DISTINCTIVE ROSE PINK** and **BLACK CARTON** that enlivens displays—drawing attention to the richly-foaming, luxury-cleansing **REQUEST SHAMPOO POWDER,** the beautifier with the delicate fragrance which imparts life and loveliness to the hair and conditions it for easy, perfect setting.

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Send for details of generous trade terms and attractive profit margin.

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BRAND OINTMENT

a new agent in the treatment of skin affections

NOW SUPPLIED TO THE CHEMIST TRADE
—THROUGH WHOLESALERS—

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Coty answers the demand brilliantly—by *just three basic preparations* that give all a woman needs for thorough care of the complexion. National advertising in Press and Magazines is featuring this . . . the "Simple Life in Beauty Care". Restriction still limits distribution but as generous a selection as possible will be included in all future Quota deliveries.

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LIVELY DISPLAYS MEAN LIVELY SALES

'Sketofax' insect repellent comes to you neatly packed in these compact, eye-catching display outers. Simply open out, place on your counter and lively sales will follow. There is also an arresting 3-colour showcard to link up your window display with 'Sketofax' advertising.

See the
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at OLYMPIA
▲1171

'SKETOFAX' BRAND **Liquid Insect Repellent**

Display outers containing:—
72 capsules in packs of 6
1/4 PLUS 2d. PURCHASE TAX

★

'SKETOFAX' BRAND **Cream Insect Repellent**

Display outers containing:—
12 tubes
1/4 PLUS 2d. PURCHASE TAX

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Not only at the Critical Moment

BUT EQUALLY IN

CHRONIC CONDITIONS

BRITISH MADE **Coramine** TRADE MARK REGISTERED

BRAND OF NIKETHAMIDE B.P.

Stimulant of the Vital Centres

In addition to the Ampoules for subcutaneous, intra-muscular and intravenous injection, oral administration may be undertaken with

CORAMINE LIQUID

in certain chronic cardiac affections and to combat respiratory and circulatory disorders arising from fatigue and exhaustion

(*Bottles of* 15 *and* 100 *c.cm.*)

and

CALCIO-CORAMINE

double salt of Coramine and calcium sulphocyanate, possessing a reinforced expectorant action in the treatment of bronchitis, catarrh, bronchopneumonia and in cardio-respiratory insufficiency.

(*Bottles of* 20 *and* 100 *Tablets*)

Price List on request. *Supplies through usual channels.*

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For RETAILER—WHOLESALER—MANUFACTURER
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Telegrams: "CHEMICUS, ESTRAND LONDON." Telephone: CENTRAL 6565 (10 lines)

CONTENTS

A Pharmacist's Anthology ... 492
Births ... 487
BRITISH INDUSTRIES FAIR... 494
Drugs and Chemicals ... 494
Toilet Preparations ... 499
Photographic Supplies ... 501
Miscellaneous ... 502
Business Changes ... 482
Business Queries and Answers ... 509
Castoreum Sale ... 513
Coming Events ... 489
Company News ... 482
Constituents of Groundnut Meal ... 506
Deaths ... 487
Editorial Articles:—
Britain Displays Her Wares ... 491
Need for Balanced Trading ... 492
Information Wanted ... 490
Irish News ... 481
Legal Reports ... 485
Local News ... 480
Miscellaneous Inquiries ... 507
National Pharmaceutical Union ... 503
N. Ireland Negotiating Committee... 505
Overseas Trade News... 510
Personalities ... 489
Pharmaceutical Society of N. Ireland 504
P. A. T. A. ... 488
Small-scale Sterilisation ... 493
"Test Action" Appeal Succeeds ... 484
The Feet and the Pharmacist ... 508
The Week in Parliament ... 486
Topical Reflections ... 483
Trade Marks ... 514
Trade Notes ... 488
Trade Report ... 511

NEWS OF THE WEEK

Invert Sugar Price Increased.—The Minister of Food has made an Order increasing the maximum wholesale prices of invert sugar by 8s. 6d. per cwt. The increase is consequential upon the increased price of sugar for manufacturing purposes which came into force on March 30. The new Order, the Invert Sugar (Maximum Wholesale Prices) Order, took effect on May 1.

Trading with Rumania.—The Board of Trade by an Order (S.R. & O., 1947, No. 664) dated April 14, have authorised trade within certain limits with the Rumanian State and with individuals in Rumania. A further Order (S.R. & O., 1947, No. 666) removes Board of Trade and Custodian control over money or property accruing in consequence of this authorisation. Rumanian property in the United Kingdom at the date of this Order and income arising therefrom continue under the control.

Sterilisation by Radioactivity. — Dr. Charles Thomas (president-elect of the American Chemical Society) stated at the Society's annual meeting recently that work was being done on the problem of destroying bacteria in foods by the use of radiation from products of the atomic pile. Tritium, or heavy hydrogen with a mass of three compared with that of normal hydrogen, was likely to be of considerable use in the study of cancer. Production of the isotope carbon 14 during the first four months' working of the chain-reacting pile at Clinton Laboratories, Oak Ridge, was 50 millicuries (250 cyclotron years).

Report on Shop Closing Hours.—A recommendation for a general closing hour for shops of 7 p.m. instead of 8 p.m. as laid down in the Shops Act, 1928, is contained in an interim report issued on April 29 by a committee appointed in January, 1946, by the Home Secretary and Secretary for Scotland to inquire into shop closing hours and related matters. Copies of the report (Cmd. 7105) may be obtained from H.M. Stationery Office, Kingsway, London, W.C.2, price ninepence.

Manufacture of Caffeine.—The manufacture of synthetic caffeine by C. H. Boehringer and Soehne, Ingelheim, Ger-

many, has been investigated by the Technical Industrial Intelligence Division of the United States Department of Commerce. The process, which used cyanacetic ester as the main raw material, gave a yield of 40-50 per cent., and the cost of the product was four to five times that of caffeine manufactured from natural raw materials, such as theobromine. The process is the subject of a Report (F.I.A.T. Final Report No. 885) obtainable from H.M. Stationery Office, Kingsway, London, W.C.2, price one shilling.

A German Insecticide.—An insecticide called Gix, developed by I.G. Farbenindustrie, Hoechst during the 1939-45 war, and containing a fluorine homologue of DDT, is described in a recently published B.I.O.S. report. The preparation contains 60 per cent. of the active ingredient, p-difluorodiphenyltrichlorethane, 20 per cent. of gas oil, and 20 per cent. emulsifier, and is diluted with water for use in concentrations of 0.2-2.0 per cent. It is more effective against flies and mosquitoes than DDT, and has been used extensively in cold-water paints. The report (B.I.O.S. Miscellaneous Report No. 14) is obtainable from H.M. Stationery Office, Kingsway, London, W.C.2, price one shilling.

Council Candidates in London.—At a meeting held in London on April 24 under the auspices of the combined London Branches of the Pharmaceutical Society, the following candidates for election to the Council of the Society were present:—Miss M. A. Burr, Messrs. R. Goode, H. S. Grainger, D. W. Hudson, A. R. Melhuish, J. Ross-Mansell, H. Steinman, T. G. F. C. Wallis and F. G. Wells. Mr. Frank Noble (chairman, West Metropolitan Branch, Pharmaceutical Society) presided over an attendance of about seventy. Short statements of policy following closely the lines of those already published (see *C. & D.*, April 19, p. 430, and April 26, p. 468) were made by the candidates, who then answered a number of questions put by members of the audience.

Pharmaceutical Students' Conference.—At the fifth annual conference of the British Pharmaceutical Students' Association held recently in London (see *C. & D.*, April 19, p. 420) the following officers were elected for 1947-48:—*President,* Mr. J. L. Gilchrist; *Secretary,* Miss Joan Forrest, Ph.C.: *Treasurer,* Mr. S. Boulton: *Members of Executive,* Messrs. S. R. Challen and S. J. Relph. It was reported that the membership of the Association was about 1,350, including 250 apprentices. Resolutions passed at a session of the conference restricted to students welcomed the proposals of the Pharmaceutical Society's Education Committee, urged the reopening of a practical examination centre in London, called for drastic improvements in the facilities available at some of the smaller pharmacy colleges, and asked for a reduction in the Society's examination fees. Subcommittees were set up to collate information on grants and scholarships available, to promote international co-operation between pharmacy students, and to investigate residential accommodation for students and examination candidates. A resolution calling on pharmacy students to join a trade union was defeated, but it was agreed to consider the formation of a liaison committee, on a discussion basis only, with the Association of Scientific Workers.

LOCAL NEWS

Scottish Shop Tenure Inquiry.—The first meeting of a committee set up to inquire into the tenure of shop premises in Scotland was held in Edinburgh recently. Memoranda of evidence to be considered by the committee should be submitted to the Secretary of the Home Department, St. Andrew House, Edinburgh, not later then June 6.

Scottish Exhibition of Design.—An exhibition entitled "Enterprise Scotland 1947" is to open in Edinburgh on August 25 under the auspices of the Council of Industrial Design. Aimed at showing the quality and design of products of Scottish industry, the exhibition will include a scientific instruments section and a section organised by the Department of Health for Scotland.

Bournemouth Medical Exhibition.—A two-day medical exhibition held recently in Bournemouth by Boots, Ltd., illustrated such research achievements in medicine as penicillin, streptomycin, the sulphonamides and modern anæsthetics. One exhibit showed all stages in the manufacture of streptomycin. Although intended primarily for the medical profession, the exhibition was open to local pharmacists, dentists and nurses.

West Ham Photographic Talk.—At a meeting of the West Ham Branch of the Pharmaceutical Society held recently in Stratford, Mr. R. L. Worth (president) in the chair, Mr. J. C. Shepherd (Ilford, Ltd.),

gave a talk on "The Manufacture of Photographic Material." Stages in the production of film, plates and printing papers were illustrated by lantern slides and specimens of the raw materials used were exhibited. Many questions from the audience on photography and the selling of photographic accessories were answered by Mr. Shepherd.

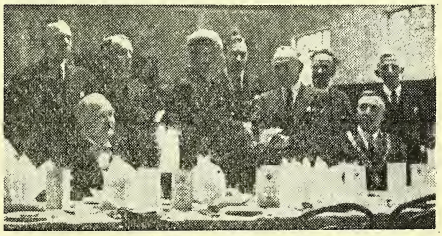
Nottingham Women Pharmacists. — Mrs. J. K. Irvine (vice-president, Pharmaceutical Society) was the guest of honour at a dinner held by the Nottingham Branch of the National Association of Women Pharmacists recently. Miss D. M. Bentley (chairman) presided, and others present included Mr. W. Lee, Miss M. A. Burr, Messrs. W. J. Appleby and W. E. Newbold (officers of the Nottingham Branch of the Pharmaceutical Society), Mr. Granville Shaw (a member of the Society's Council) and Mr. George E. Trease (head of the School of Pharmacy, University College, Nottingham).

North Staffs Officers.—At the annual meeting of the North Staffs Branch of the Pharmaceutical Society held recently, the following officers were elected or re-elected:— *President,* Mr. T. G. Lawley; *Vice-presidents,* Messrs. B. J. Browning and R. A. Hackney; *Treasurer,* Mr. S. J. Mott; *Secretary,* Mr. R. A. Hackney; *Assistant Secretary,* Mr. H. E. Denby; *Committee,* Messrs. T. Amson, J. T. Asher, J. N. Cochrane, F. Gartside, R. Herring, W. B. Hulme, R. J. Mason, H. Morrell, E. E. Parr, W. F. Redfern, G. D. Ross, H. C. Shaw, G. W. Sherwin, W. Stanier and C. E. Turner.

IRISH NEWS

Eire Examination Results.—Of the forty-four candidates who sat for the April licence examination of the Pharmaceutical Society of Ireland the following (arranged alphabetically) were successful:— B. J. Anderson, D. J. Browne, J. J. Cassidy, P. Doherty, A. Dolan, J. M. Durkin, M. C. Flynn, W. B. Hurson, Mary A. Lynch, Edward Meaney, R. J. Nutty, F. J. O'Brien, M. J. O'Brien, Johanna M. O'Gorman, Frederica M. O'Regan, R. J. Power, Muriel St. John, Annie T. Scully and R. J. Semple. Of the forty-seven candidates who entered for the assistants' examination the following (arranged alphabetically) were successful:— John Christopher Burns, Neville Andrew Burns, John Oliver Callan, Julia Cashell, Christopher J. Clancy, Maire Rita Costello, Mary Kevin Cullen, Elsie Exell, Patrick Hegarty, Mary Keelaghan, Mary Larkin, Monica Lee, John McAuliffe, Ellen M. McCabe, John J. McCarthy, Nicholas McCarthy, Thomas A. McLoughlin, Ellen Mockler, Valentine O'Connell, Ellen Mary O'Connor, Eileen O'Leary, Michael J. O'Neill, Margaret Ita O'Riordan, Maire M. Rowan, Henry N. Scroope, Edna Tormay and Thomas White.

Ulster Associates' Committee.—At a recent committee meeting of the Associates' Section of the Ulster Chemists' Association, Mrs. E. H. Barr, Ph.C. (chairman) announced that Mr. J. R. Guiler, Ph.C., was unable, for health reasons, to continue as secretary. Much of the section's success, said Mrs. Barr, had been due to Mr. Guiler's efforts. Mr. E. B. Williamson, Ph.C., was appointed *Secretary.* It was reported that all claims for unemployment benefit from students taking an approved whole-time course had been approved. A report of a meeting of the Joint Council at which a new scale of wages had been considered was read. The secretary stated that discussion of the matter by the Executive Committee had been deferred until May to allow the opinions of local associations to be received. The following were approved for associateship:— Messrs. W. A. Massey and W. H. Poulter (pharmaceutical chemists); Miss J. Shillington, and Messrs. C. R. Elliott and A. Preston (assistants); Mr. B. J. Connolly (apprentice). A letter was received stating that the British Hospitals' Association and the Association of Rate-aided Hospitals could not agree to a request for a further increase of £50 a year in hospital pharmacists' salaries. It was decided to pursue the matter further with the Associations.



PRESENTATION AT ABERTILLERY.—Mr. Blanchard Evans, business manager of T. H. Pritchard & Son, Ltd., wholesale and retail chemists, Abertillery, Mons, being presented with a cheque at the annual dinner of the Abertillery Chamber of Trade recently. The presentation was made to mark Mr. Evans's retirement after six years as secretary of the Chamber.

COMPANY NEWS

EASTON CHEMISTS (HACKNEY), LTD. (P.C.).—Capital £500. Vera Wolfe and Alexander Reid, M.P.S., directors. R.O.: 215 Victoria Park Road, London, E.9.

LARGE & TEAGUE (CHEMISTS), LTD. (P.C.).—Capital £1,000. Walter A. Large and John Callam, M.P.S., directors. R.O.: 401 New Cross Road, London, S.E.14.

W. H. WANDLESS, LTD. (P.C.).—Capital £3,000. To acquire the business of a wholesale and retail chemist carried on at 2 King Street, Whitehaven. William H. Wandless, M.P.S., and Jessie A. Whiteside, M.P.S., directors.

WALLWORTH'S (LIVERPOOL), LTD. (P.C.).—Capital £1,000. To carry on the business of chemists, druggists, etc. Wilfred Wallworth and Nellie Wallworth, directors. R.O.: 3A St. Michael's Church Road, Liverpool.

G. JEFFERIES, LTD. (P.C.).—Capital £1,000. To carry on the business of chemical manufacturers, chemists, etc. Gladys Jefferies and Otto Randall-Jefferies, directors. R.O.: 35 High Street, Lye, Stourbridge.

ALBION SHEEP PRODUCTS, LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturers of sheep dips, salves, smears and other medicaments for external application, vaccines and serums, etc. Ethel M. Stewart, director. R.O.: Radwill Bury, Baldock, Herts.

FORMANS (CHEMISTS), LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturing, pharmaceutical and general chemists, etc. Leslie Forman, M.P.S., and Benjamin Forman, directors. R.O.: 12 Park Hill, Bury Old Road, Prestwich, Lancs.

H. RUMSEY-WILLIAMS, LTD. (P.C.).—Capital £1,000. To acquire the business of H. Rumsey-Williams, chemist and druggist, carried on by Mrs. H. Rumsey-Williams at Dudley. Emily Rumsey-Williams and Madge Rumsey-Williams, M.P.S., directors. R.O.: Stourbridge Road, Holly Hall, Dudley.

SURGICAL ALGINATES, LTD. (P.C.).—Capital £10,000. To carry on the business of manufacturers of and dealers in surgical dressings, appliances and instruments, chemists, etc. Margaret K. Blains, John T. Gillison and James T. Douglas, directors. R.O.: 3 Goodwins Court, London, W.C.2.

BIRMINGHAM PELLETING CO., LTD. (P.C.).—Capital £3,000. To carry on the business of manufacturers of and dealers in compounds, whether in pellet, powder or fluid form, for the plastic and allied traders and for pharmaceutical and chemical purposes, etc. Leonard Ballard and John W. Gray, directors. R.O.: 51 Bell Street, Tipton.

GEORGE F. LUFT CO., LTD.—Registered i New York. To carry on the business c financiers, manufacturers of and dealers i toilet preparations, drugs, medicines an chemicals, etc. Constance Luft Huhn Tevis Huhn and Harry A. Hans, director British address is 51-52 Chancery Lan London, W.C.2, where Luft-Tangee (Lor don), Ltd., is authorised to accept service c process and notices on behalf of the com pany.

MILNER & COKE, LTD.—Mr. Sidney Fir ley has been appointed managing director the company.

RUSHTONS (WHOLESALE), LTD.—Mr. J. F Coke and Mr. S. E. C. White have bee appointed directors of the company.

COMPULSORY WINDING-UP.—Mr. Justic Vaisey in the Chancery Division to-da made an order for the compulsory winding up of Tannin and Chemical Trade, Ltd., o the petition of the Watford Chemical Co. Ltd., chemical manufacturers, judgmen creditors. Mr. A. G. N. Cross, fo the petitioners, said the matter was ad journed a week ago but unfortunately th debt had not been paid and he pressed fo a compulsory order. Counsel for the re spondent company said he was not in a position to oppose the application.

BUSINESS CHANGES

MACLENNAN PRODUCTS, LTD., have removed to 9 Montrell Road, London, S.W.2.

MR. DAVITT WALSH, M.P.S.I., has opened a pharmacy at 67 Philsboro Road, Dublin.

CLAY & ABRAHAM, LTD., Liverpool, have transferred one of their retail pharmacies from 46 Castle Street to 20 Dale Street, Liverpool.

MAX FACTOR & CO., INC., have transferred their factory and offices to Francis Avenue, Ringwood Road, West Howe, Bournemouth (Telephone: Bournemouth 7182-86).

S. MAW, SON & SONS, LTD., Aldersgate House, Barnet, Herts, have appointed Mr. E. H. Tilley as their representative in an area between Welwyn Garden City and Grimsby, as from May 1.

LONDON CO-OPERATIVE CHEMISTS, LTD., have transferred their production and distribution depots to Grange Road, Leyton, London, E.10 (Telephone: Leytonstone 5671). The buying and administrative offices remain at 54 Maryland Street, Stratford, London, E.15.

PORTLAND PLASTICS, LTD., 6 Victoria Street, London, S.W.1, have appointed Mr. Hubert F. Harris sales manager and Mr. R. N. Dayer-Smith, M.B.E., export manager. Mr. Harris is a member of the Incorporated Sales Managers' Association and of the Institute of Export.

TOPICAL REFLECTIONS

Reasons for Voting

This month's election of seven candidates to the Council of the Pharmaceutical Society is an important event: it is to be hoped that many members of the Society will read the statements from the fourteen candidates printed in your issues of April 19 and 26, and having read them will fill in their voting papers. The event is more important than usual because of (a) the proposed changes in the Society's constitution; (b) the financial position of the Society; (c) the work of the Joint Committee on a National Pharmaceutical Service, on which committee the Society is represented. I have thought it my duty to contribute a few remarks on this subject—in such terms, of course, that even the most nervous member of the Society cannot construe them as an advertisement for any candidate or candidates. What are the considerations that should guide members in voting? First, I suggest, the question whether any areas and any interests are either unrepresented or under-represented. By "areas" I mean not necessarily divisions of the country planned in any scheme of territorial representation (though some thoughtful schemes have been published), but considerable stretches of country in a geographical sense. Secondly, the extent to which an infusion of new blood is desirable, a balancing of experience against enthusiasm and "drive."

Apprenticeship Indentures

The terms of the apprenticeship indenture on p. 374 of your issue of April 5 suggested a comment which has had to wait till now for the requisite space. Many of your readers apprenticed in the last years of the past century will recognise a similarity between the phrases mentioned and some in their own indentures. In an attenuated form the phraseology has descended to the draft articles of pupilage in the calendar of the Pharmaceutical Society. The physical shape of these documents is traditional. "Formerly," states a text-book, "it was usual to write both parts . . . on the same skin of parchment with some words or letters of the alphabet between them, through which the parchment was cut in acute angles . . . in such a manner as to leave half the words or letters on one part, and half on the other . . . a guard against forgery or fraudulent substitution. It is not unlikely that the idea was taken from the tally . . . The necessity for some check on . . . contracts was felt as early as the days of the clay tablets of ancient Babylon." But whence came the long-used form of words? Perhaps someone versed in legal history can tell us. In "Notes and Queries" (3rd series.V.145) there is a communication from which it appears that in 1624 Sir Walter Devereux gave a grant to apprentice poor children. The form of indenture stated, *inter alia*: "Matrimony with in the said term he shall not commite or contract at any unlawful game, or games forbidden by the lawes of this Realme; he shall not play; Allehouse he shall not frequent, unless it be about his master's business." Failing a better suggestion, I hazard a guess that these expressions were evolved while the mediæval guilds were flourishing

Misprints

The words "typographical error" in your last week's issue sent my thoughts to a subject that has a serious as well as a light side. In the case of a scientific work of reference, errors may cause much trouble. The British Pharmacapœia is not above criticism in this respect. The first issue of that of 1932 was followed by two lists of corrigenda, together occupying *C. & D.* space equivalent to about two pages of your present size; and other books that could be named have been similarly disfigured. In one of the registers of the Pharmaceutical Society, several years ago, the year of qualification of an esteemed pharmacist was printed, if memory serves, as 1191. Printers of the English Bible have been credited with paying a reward to any member of their staffs who discovered an error while there was time to correct it. This practice may have been suggested by the "vinegar" Bible, with its misprint in a "running head," or by the "wicked" Bible, in which "not" was omitted from one of the Ten Commandments. Shakespeare has suffered from printers' errors, giving scope for the ingenuity of commentators. Some of your readers will remember "a table of green fields" in "King Henry the Fifth," and Theobald's brilliant emendation "a' babbled of green field." The work of compositors in early editions of this poet has been studied with remarkable minuteness. It is a good plan to see, in the first place, whether a misprint is the cause of an obscurity.

Xrayser

"TEST ACTION" APPEAL SUCCEEDS

THE Court of Appeal, London, gave judgment on April 25 in an appeal by Potter & Clarke, Ltd., Viaduct House, Farringdon Street, E.C.1, from so much of an order of Mr. Justice Wynn-Parry made by him on October 25, 1946, on a summons taken out by the Pharmaceutical Society of Great Britain (see *C. & D.*, 1946.II.560 and 587) as stated that the question whether, on the true construction of the Pharmacy and Medicines Act, 1941, fluid extract of cascara, compound rhubarb pills, and effervescing powders were substances recommended as medicines, should be answered in the affirmative. The hearing commenced on March 25.

Mr. Glyn Jones, K.C., for the appellants, said the proceedings were started by arrangement between the parties so as to get the decision of the court on the meaning of the phrases "substance recommended as a medicine" and "substance sold under a proprietary designation." To raise the point clearly, they selected certain substances and the labels under which they were sold, as representing different classes of medicines, and asked the court to say whether these substances came within the first phrase mentioned. To illustrate the point Mr. Glyn Jones said a grocer could sell Beecham's pills because they came within the second phrase, but he could not sell rhubarb pills. Under the Act a vendor of castor oil could say that it was to be taken in certain doses, but he must not say, "This is good for constipation." The test in that instance was: Is the substance recommended as beneficial for the prevention or cure of a certain ailment, or is it not? The Act did not stop an unqualified trader, such as a grocer, selling a medicine unless he used words that led the purchaser to take it for some ill from which he might be suffering. Mr. Glyn Jones concluded his address the following day. He said that what the Society said was that the sole right to sell under a proprietary designation was the only right preserved to the grocer; while he (Mr. Glyn Jones) maintained that the grocer was left with his former right to sell simple drugs under proprietary names plus statements as to dosage.

Pharmaceutical Society's View

Mr. Blanco White, K.C., opening his reply for the Pharmaceutical Society, said that in the Society's view the real struggle in the case was whether the composition of secret medicines had to be disclosed under Section II of the 1941 Act, or whether that could be evaded by mentioning a specific disease. The matter was extremely important, and went to the root of the legislation, so far as Section II was concerned. To illustrate and emphasise his point, counsel said that, until the 1941 Act was passed "X" pills (say) could be sold without their composition being disclosed. Today if "X" pills were recommended as a medicine their composition must be disclosed. The purpose of the Act was twofold: (1) Amendment of the Pharmacy and Poisons Act, 1933, and (2) Protection of the public. On March 27, junior counsel for the Society argued that the 1941 Act provided that a medicinal substance sold in a bottle or package with a label that bore no maker's name upon it must be sold only through a chemist; but a label containing the name of the maker was sufficiently frank to allow medicine to be sold by a grocer.

The Master of the Rolls observed, after a discussion on several points raised by junior counsel, that if one thing emerged it was that some amendment of the 1941 Act seemed to be necessary. After Mr. Glyn Jones had replied the court adjourned.

Judgment

Judgment was delivered on April 25, when the court allowed the appeal, with costs. Leave to the Pharmaceutical Society to appeal to the House of Lords was granted unconditionally. Lord Justice Asquith, who delivered the judgment, dealt with the relevant sections of the 1941 Act, and with the details of the labels attached to the three substances. He said the result of the appeal was important because it affected the rights of the sale of medicines by qualified persons (chemists) and by unqualified persons (grocers and others) and the extent of the obligation resting on them to disclose the composition of the medicines they sold. The view that the court took of the phrase "substance recommended as a medicine" was that the construction that the appellants put on the phrase was the correct one. They did not assent to the view that the words contained in the labels of the substances in the three instances mentioned were such as to recommend the labelled goods as medicines; in other words, were calculated to lead to the use of the substances for the treatment of a particular ailment. The appellants argued that the terms must specify the particular ailment for the prevention or treatment of which the particular substance was recommended as a medicine. It was the terms on the labels which must

be calculated to lead to the use of the substance for the prevention or treatment of an ailment, and not, said his lordship, the knowledge which the public possessed.

The Act affected with criminal liability unqualified persons selling substances as medicine, and he did not imagine that Parliament desired to impose on the vendor the duty of finding out how far the general public knew that the particular substance he was selling was a remedy for a particular ailment. If the Society was right, the vendor would be required to know the therapeutic purpose to which a particular medicament was to be applied, and to know also what was the knowledge of the individual customer. But the court considered it sensible to suppose that Parliament intended to apply a test less conjectural, less problematical and less objective. Such a test was available and could be applied simply, and that test was the conditions or terms stated on the label. In the opinion of the court there was no real doubt as to the meaning of the relevant words. Their conclusion was that the appellants were right in their contention that the three substances, labelled as they were labelled, were not substances recommended as medicines within the meaning of the Act; that they could be sold by unqualified persons, and that their composition was not required to be disclosed. The appeal must, therefore, be allowed.

LEGAL REPORTS

Loss-of-Horse Claim Dismissed.—In the Dublin circuit court on April 21, judgment was given in a claim for damages for loss of a horse bought by Mrs. Alexandra Finch Maloney, of Broomfield, Malahide, against J. J. Roche & Co., Ltd., chemists, Lower O'Connell Street, Dublin (see *C. & D.*, April 26, p. 452). Dismissing the claim, the judge said he was asked to hold that the lotion contained an irritant. He had no evidence of that.

Attempted Illegal Export.—A sentence of six months' imprisonment was passed at Strabane, co. Tyrone, Northern Ireland petty sessions on April 10 on two men who were convicted on a charge of attempting to take four tons of sulphate of ammonia from Northern Ireland to Eire with intent to evade a prohibition on its export. They were Samuel John Patterson, and Patrick Harron, Castlefin. A third man, Frank Collins, Castlederg, was fined £100. On other charges Patterson was fine £550, Harron £150, and Collins £100.

Pharmaceutical Society Loses Appeal.—A King's Bench Divisional court, London, on April 23, dismissed with costs an appeal by an inspector of the Pharmaceutical Society against the dismissal by the Pocklington, East Riding of Yorks Justices, of an information against Mr. Arthur Leslie Spink, M.P.S., proprietor of eleven shops under the style Spinks the Chemists. The Society complained that, at a shop in Market Place, Pocklington, which bore the description "chemist," there was no qualified chemist in control. The facts, as found by the Justices, were that Mr. Spink employed qualified persons at his other shops but not at Pocklington, owing to shortage of qualified assistants. No poisons were sold, or could be used at the shop, because they were locked up and the key was kept at a shop in Beverley Road, Hull. In addition, a card was displayed in the shop window stating that, owing to war circumstances, no qualified assistant was in charge, and medicines could not be dispensed. The Society contended that the notice did not affect the position as qualifying an act that was illegal, but the justices dismissed the information on the ground that the notice in the shop window would prevent the public from being misled. Appellant's counsel said there was clearly, in the case of limited companies, or executors of deceased chemists, an obligation to employ qualified assistants. Many people would not read the notice in the window.

Lord Goddard said the section of the Act was penal, and had to be construed strictly. He would decide the case on a rather different ground from the magistrates'. It was perfectly clear from the 1933 Act and the repealed Act of 1908 that Parliament had always had in mind that chemists might carry on business from more than one set of premises. They made it unlawful for any person to use, in connection with any business, a title suggesting possession of qualifications that were not, in fact, possessed. Whose business was the one in question? The business was Spink's. Spink was a chemist. So long as the business was his, although he might not be in control of particular premises, he could use a title representing, "This is a shop belonging to Mr. Spink, who is a chemist." The ground on which the magistrates had dismissed the summons, said Lord Goddard, was very sensible.

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

MANY questions were asked during the week about vacuum flasks. On April 21 COLONEL CROSTHWAITE-EYRE asked the President of the Board of Trade why, in view of the extreme shortage of vacuum flasks, J. R. Gibb, Ltd., Paignton, Devon, had been refused permission to import 23,000 flasks.

SIR STAFFORD CRIPPS: The production of vacuum flasks in the United Kingdom is rapidly expanding. The principal limiting factor is the shortage of glass components, and arrangements are being made to import these from various sources. In the circumstances, it is not considered necessary to import complete flasks.

On April 22, MR. K. S. D. DIGBY asked the President of the Board of Trade what increase there had been in the production of vacuum flasks recently, and what allocations were being made to agricultural workers.

MR. J. W. BELCHER (Parliamentary Secretary): The production of vacuum flasks of all makes is now running at a rate of about 30 per cent. higher than that for the second half of 1946. 15,000 flasks per month are being allocated to agricultural workers under the Thermos priority scheme.

On April 24, MR. EVELYN WALKDEN asked the President of the Board of Trade if he would discontinue the system of issuing permits for vacuum flasks, or give his reasons for not doing so.

MR. BELCHER: The Thermos permit scheme ensures that persons in urgent need of a vacuum flask can be sure of getting one. The supply is not yet nearly equal to the demand, and until such time as it is, I cannot agree to drop the scheme.

Cost-of-living Index

On April 22, SIR GIFFORD FOX asked the Minister of Labour how the present cost-of-living index figure compared with the highest and lowest figures for 1919, and whether, owing to the high prices of many articles, he was satisfied that the index still worked fairly.

MR. GEORGE ISAACS: The highest and lowest figures in 1919 comparable with that of 204 for March, 1946, were 225 in November and December and 205 in May and June. I have accepted the recommendations of the Cost of Living Advisory Committee to terminate the present index and introduce an interim index as a temporary measure pending further examination.

Streptomycin

MR. N. A. H. BOWER asked the President of the Board of Trade why 80 lb. of streptomycin was recently exported from this country to Bangkok when, on the same day, a child died in Belvedere Hospital, Glasgow, because the drug was so scarce that none could be spared from the nearest supply four miles away in the Glasgow Royal Hospital for Sick Children, and whether he would give an assurance that exports of the drug would not be made in the future if it meant that there was no supply left for people in this country.

SIR STAFFORD CRIPPS: I have no knowledge of the export to which Mr. Bower refers. As regards the last part of the question, I understand from the Minister of Health that, if the clinical trials now being conducted prove the efficacy of this drug, the needs of the people of this country will receive first consideration out of the available supplies.

Soap Costs

On April 23, MR. A. H. E. MOLSON asked the Minister of Food what alterations he was making, from March 30, in the prices of oils and fats used for soap making and in the wholesale and retail prices of hard, soft and other soaps; and whether any differentiation was being made between soap used for domestic and industrial purposes.

MR. JOHN STRACHEY: The prices of oils and fats used in soap making were advanced by an average of £54 per ton on March 30. Corresponding increases have been permitted in the prices of all soaps except hard soap. Sales of this for domestic use and certain non-domestic use will continue to be subsidised in accordance with the Government's stabilisation policy. Hard soap used by commercial laundries and for industrial processing operations will not be subsidised.

New fuel-saving measures were announced by MR. EMANUEL SHINWELL (Minister of Fuel and Power) on April 24, including a complete ban on space heating of any kind both in industrial and commercial premises from May 5 until the end of October. Existing Orders imposing restrictions are to be replaced by the new one. The only heat allowed for industrial purposes will be that necessary for certain types of processing.

BIRTHS

LIND.—At Trebor, 269 Bonkle Road, Newmains, on April 14, Rosabel, the wife of Robert Lind, B.Sc., Ph.C., of a son.

STEVENSON.—At Greystones nursing home, Prestwick, on April 21, Mary, the wife of James Stevenson, M.P.S., 13 Main Street, Prestwick, of a son.

DEATHS

CAPERN.—On March 29, Mr. Harold Capern, M.P.S., 18 Burville Street, Lynton, N. Devon. Mr. Capern qualified in 1922 and was the proprietor of a business at Lee Road, Lynton.

GRIFFITHS.—On March 29, Mr. Arthur Daniel Griffiths, M.P.S., Wogan Terrace, Saundersfoot, Pembrokes. Mr. Griffiths qualified in 1891.

HARDIE.—In India, on April 10, Mr. David Leslie Hardie, M.P.S., formerly of 52A Kimberley Drive, Great Crosby, Liverpool, 23. Mr. Hardie qualified in 1937. After holding posts in retail and hospital pharmacy he joined Evans Medical Supplies, Ltd., as a representative in 1938. In November 1945 he went overseas for Messrs. Evans, visiting Palestine and Egypt, and finally arrived in India. He is survived by a widow and two children.

HOLORAN.—On April 6, Mr. Frank George Holoran, M.P.S., 6 Cobwell Road, Retford, Notts, aged seventy-five.

JONES.—On March 31, Mr. Ernest Harry Jones, 41 Melbourne Avenue, Slough, Bucks, formerly of 1 Third Avenue, Broadway, Blackpool, aged seventy-eight. Mr. Jones qualified as a chemist and druggist in 1891.

JONES.—On April 14, Mr. David Llewelyn Jones, Hazelmount, Hillside Road, Colwyn Bay, aged sixty-eight. Mr. Jones qualified as a chemist and druggist in 1900. He was in business at Abergele Road until his retirement in 1939.

LONGLEY.—On April 19, Mr. Richard Samuel Longley, M.P.S., 3 Miles Hill Crescent, Stainbeck Lane, Chapeltown, Leeds, aged sixty-nine.

LYNCH.—On March 20, following an operation, Miss Cecilia Kathleen Lynch, Ph.C., Princess Alice Memorial Hospital, Eastbourne, Sussex. Miss Lynch qualified as a chemist and druggist in 1916, and as a pharmaceutical chemist two years later. For over twenty years she was pharmacist to the Royal West Sussex Hospital before being appointed, in 1946, resident pharmacist to the Princess Alice Hospital, Eastbourne. For fifteen years Miss Lynch acted as secretary of the Hastings and St. Leonards Branch of the Pharmaceutical Society, and during the war of 1914-18 served with the British Red Cross Society.

MCDERMOTT.—On April 15, Mr. Robert John McDermott, 1 Pines Avenue, Worthing, formerly of Steyning, Sussex. Mr. McDermott qualified as a chemist and druggist in 1881, and passed the pharmaceutical chemist examination the following year.

MCDOWELL.—Suddenly, on April 16, Mr. Bryce McDowell, registered druggist, aged sixty-six. Mr. McDowell was for many years in business at 33 Bridge End, Belfast.

SMITH.—On April 11, Mr. William Smith (Lorimer & Moyes, wholesale chemists, Montrose Street, Glasgow).

STOOKE.—On April 20, Mr. Frederick Arthur Stooke, Ph.C. Mr. Stooke, who qualified as a chemist and druggist in 1903, and passed the pharmaceutical chemist examination later in the same year, was a partner in Bevan & Stooke, 62 Church Street, Harwich, Essex.

TAYLOR.—On April 2, Mr. Alexander Newlands Taylor, M.P.S., 129 Carlton Street, Castleford, Yorks, aged sixty-five.

THORNTON.—On April 6, Mr. William Thornton, 23 New Road, Water Orton, Birmingham, aged eighty-two. Mr. Thornton qualified as a chemist and druggist in 1886. In 1892 he emigrated to Canada, where he registered as a pharmacist and set up in business in Calgary. He returned later to Britain and took over pharmacies at Blaenavon and Bromyard, retiring in 1936. Mr. Thornton is survived by two daughters, both pharmacists

WALLS.—At 48 Walpole Road, Tottenham, London, N.17, on March 20, Mr. John Walls, M.P.S. (Squire & Sons, Ltd., 413 Oxford Street, London, W.1), aged fifty-six.

WHITEFORD.—At an infirmary in Paisley on March 23, Mrs. Annie Whiteford, wife of Mr. Alexander Whiteford, M.P.S., Paisley.

WISHLADE.—On April 10, Mr. William Winter Wishlade, M.P.S., 4 Knowsley Road, Hoole, Cheshire. Mr. Wishlade qualified in 1940.

TRADE NOTES

Trade Price List.—The medical products price list of Imperial Chemical (Pharmaceuticals), Ltd., Gloucester House, 149 Park Lane, London, W.1, has recently been reprinted and is now available on application to the company.

"Bottle for Bottle."—Over this slogan the Soft Drinks Industry (War Time) Association, Ltd., 42 Upper Grosvenor Street, London, W.1, requests chemists to make a practice of returning an equivalent number of empty bottles when placing orders for further supplies of soft drinks.

Increased Prices and Discounts.—E. Griffiths Hughes, Ltd., Adelphi, Salford, 3, Manchester, announce on another page an increase in the price of Digestif Rennies, accompanied by extra display discounts, which apply to both "straight" or mixed parcels of any Griffiths Hughes pharmaceutical preparations.

B.I.F. Parties.—For the benefit of exhibitors at or visitors to the British Industries Fair, Jack Hylton, Ltd., His Majesty's Theatre, Haymarket, London, S.W.1, send particulars of current productions at which they will do their best to accommodate parties:—His Majesty's Theatre: "Romany Love." Victoria Palace: "Together Again" ("Crazy Gang"). Winter Garden Theatre: "No Room at the Inn."

Competition Results.—Enolin (1926), Ltd., 168 Warbreck Moor, Liverpool, 9, announce that, in their first children's drawing competition (see *C. & D.*, March 22, p. 308) the entry form for the first prize-winner in group 2 was supplied by Fairbairns Pharmacies, Ltd., 17 Woolton Street, Woolton, Liverpool, and for the winner in the first age group (up to and including eight years) by Mr. D. Stuart, M.P.S., 337 Ormskirk Road, Pemberton, Wigan. Cheques for £10 each are being sent to these retailers.

Ashes of Roses.—As is well known throughout the perfumery and toilet preparations trade, a series of perfumes has been issued for many years by Bourjois, Ltd., 36 Grove Road, Sutton, Surrey, under the name Ashes of Roses, which is a registered trade mark and the company's exclusive property. By an oversight on the part of the printers, this registered trade name was wrongfully included in an announcement in our advertisement columns last week (a) by another advertiser, and (b) in relation to perfumes not manufactured by Messrs. Bourjois. This early opportunity is taken to correct a most unfortunate error and to express regret that the mistake was not put right before our April 19 issue went to Press.

Again Available.—NYAL CO., LTD., Emmott, Street, London, E.1, announce that the following Nyal catarrhal balm and Nyal menthol and wintergreen cream are again available in their pre-war packs; the preparations, which are on the C.F. list, are not available in Eire.—ORGANON LABORATORIES, LTD., Brettenham House, London W.C.2, state that Pernæmon Forte is again freely available; the preparation is a liver extract of high hæmopoietic activity and is issued in 2-c.c. ampoules in packs of three, twelve and fifty, and in 5-c.c. vials in packs of one, six and twelve.—PARKE, DAVIS & Co., 50 Beak Street, London, W.1, have made available a palatable elixir containing in each teaspoonful 10 mgm. Benadryl thus facilitating the administration of smaller doses than are contained in the capsules; further details will be supplied by the makers on request.—Cedilanid tablets (crystalline lanatosid C, isolated from *Digitalis lanata*) manufactured by SANDOZ PRODUCTS, LTD., and distributed by BROOKS & WARBURTON, LTD., 232 Vauxhall Bridge Road, London, S.W.1, are again available.—THE UNITED CHEMISTS ASSOCIATION LTD., Cheltenham, are now in a position to offer limited supplies of Dopo-Plus DDT-containing insecticide.

Proprietary Articles Trade Association

ADDITIONS TO PROTECTED LIST.—*Howard-Taylor, Ltd.*, Ventay bronchial tablets, 9s. doz., tax 1s. 6d. doz., inclusive retail price 1s. 3d.; 5s. 3d. doz., tax 10½d. doz., i.r.p., 9d. Ventay digestive peppermints, 7s. 6d. doz., tax 1s. 3d. doz., i.r.p., 1s.; 4s. 6d. doz., tax 9d. doz., i.r.p., 7½d.

W. Sutton & Co., Druggists Sundries, London, Ltd., Vol-Vite coated vitamin tablets, 48s. doz., exempt from tax.

ALTERATIONS TO PROTECTED LIST.—*Ashley & Weeks, Ltd.*, Increased prices, May 1: Macaulay's original family lung syrup, 6 oz., 13s. 9d. doz., tax 2s. 3½d. doz., i.r.p., 1s. 10d.; 10 oz. (New), 21s. doz., tax 3s. 6d. doz., i.r.p., 2s. 10d.

Beltona, Ltd., Increased prices, May 1: Beltona brand lotion, 19s. 10d. doz., tax 3s. 3½d. doz., i.r.p., 2s. 6d.; 28s. 10d. doz., tax 4s. 9½d. doz., i.r.p., 3s. 7½d.; 46s. 10d. doz., tax 7s. 9½d. doz., i.r.p., 5s. 10½d. The prices of the ½-gall. size remain unchanged.

Genatosan, Ltd., Increased prices, May 1: Sanatogen, 60s. doz., tax 10s. doz., i.r.p., 7s. 5d.

Portland Plastics, Ltd., Increased prices, May 1: Portex medicated plastic skin, 14s. 4d. doz., tax 2s. 5d. doz., i.r.p., 2s.

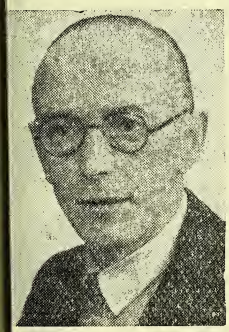
PERSONALITIES

Mr. A. E. Humphry, who has retired from the post of Bristol manager of the North British Rubber Co., Ltd., after thirty-one years' continuous service, was recently presented with a wallet of notes from the company's management to mark the occasion. Mr. Humphry served for twenty-four years as the company's south-western district manager.

Dr. W. J. Arrol, a lecturer in the chemistry department of the College of the Pharmaceutical Society, presided recently at a one-day school for journalists on atomic energy, organised in London by the Atomic Scientists' Association. Dr. Arrol was formerly attached to the Atomic Energy Project in Canada, working in Montreal from 1943-45.

Mr. R. G. Pattinson (sales director, Bourjois, Ltd., 36 Grove Road, Sutton, Surrey) who left London by air in August 1946 on a business trip to India, New Zealand, Australia and South Africa arrived back in London recently after travelling nearly 100,000 miles. The aeroplane in which he was returning from Johannesburg made a forced landing near Khartoum, Sudan, and was burned out; Mr. Pattinson escaped injury, but his luggage was destroyed.

Mr. G. H. M. Graham, M.P.S., 11 Jenifer Grove, Newcastle-on-Tyne, 7, who has been elected chairman of the National Pharmaceutical Union (see p. 503) has taken an active interest in pharmaceutical organisation for many years. Apprenticed with the late Mr. John Gregory, M.P.S., Stockton-on-Tees, he studied at the Sunderland Technical College, qualifying as a chemist and druggist in 1922. After a number of years as a branch manager he went into partnership with the late Mr. R. H. Dennison, M.P.S., as a joint proprietor of old established businesses at 86 Copland Terrace and 132 Manor House Road, Newcastle-on-Tyne, 2, and since his partner's death in 1940 has continued to trade under the same name of Dennison & Graham. From 1925-30 he served as secretary of the Newcastle Branch of the Pharmaceutical Society, and was its president in 1936. He is at present a member of committee of the Northumberland and Gateshead Branch of the N.P.U.; the local Branch of the Photographic Dealers' Association; the local medical-pharmaceutical liaison committee and the Newcastle-on-Tyne Pharmaceutical Committee. He is also a director of the Chemists' Mutual Insurance Co., Ltd., the Chemists' Defence Association, and a member of the executive of the Chemists' Sickness and Provident Society.



COMING EVENTS

Monday, May 5

West Kent Branch, Pharmaceutical Society, Central Library, Beckenham Road, Beckenham, at 7.30 p.m. Mr. R. F. W. Selman, M.Sc., A.R.P.S., on "Some Modern Aspects of Applied Photography."

Birkenhead and Wirral Pharmacists' Association, Chamber of Commerce Suite, 26 Hamilton Square, Birkenhead, at 7.30 p.m. Annual meeting.

British Industries Fair, Olympia and Earl's Court, London (open to trade buyers 9.30 a.m.-7.30 p.m.). Continues until May 16.

Royal Society of Arts, John Adam Street, Adelphi, London, W.C.2, at 5 p.m. Mr. E. R. Davies, O.B.E., F.R.P.S. (Kodak, Ltd.) on "Recent Developments in the Application of Photography" (first of three weekly Cantor lectures).

Birmingham Section, Chemical Society, Chemical Lecture Theatre, Birmingham University, at 4.30 p.m. Mr. M. C. Paine on "Careers in Chemistry."

Wednesday, May 7

Tees-side Branch, Pharmaceutical Society, Cleveland Scientific Institute, Corporation Road, Middlesbrough, at 6.45 p.m. Mr. T. H. Elliott, M.P.S. (Burroughs Wellcome & Co.) on "The Three Insulins."

Thursday, May 8

Isle of Wight Branch, Pharmaceutical Society, Wheatsheaf Hotel, Newport, at 7.30 p.m. Annual meeting and discussion on formation of an Isle of Wight Pharmacists' Association.

Institute of Chemists-Opticians, Friends' House, Euston Road, London, N.W.1, at 7.30 p.m. Mr. T. D. Whittet, Ph.C., D.B.A. (chief pharmacist, Charing Cross Hospital) on "Drugs Used in Refraction."

Friday May 9

Newcastle and Durham Section, Chemical Society, King's College, Newcastle-on-Tyne, at 5 p.m. Bedson Club Lecture by Professor E. L. Hirst, M.A., D.Sc., F.R.S.

Leicester Branch, Pharmaceutical Society, is arranging a visit to the Welwyn Garden City works of Roche Products, Ltd., on Thursday, May 22, leaving Town Hall Square, Leicester, at 9 a.m. Applications for coach seats should be sent to Miss M. H. Perkins, 42 Belvoir Street, Leicester, before May 17.

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Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire.
VOL. CXLVII MAY 3, 1947 NO. 3506

Britain Displays Her Wares

On the British Industries Fair, 1947, which opens in London and Birmingham on May 5, a good deal depends—more, perhaps, than at any time since the first Fair was held in 1915—for the prosperity of this country in the near future. From one point of view it is unfortunate, however unavoidable, that the first post-war display of the goods Britain has to offer to overseas buyers should be still very much an "austerity" exhibition. The difficult hard-currency position, and the acute shortage of building materials even for housing, which naturally stands higher than salesmanship in the order of priorities, have prevented the stands from being made so attractive as they otherwise would be. But if the effect is to focus attention the more strongly on the goods themselves, then the British manufacturers and exhibitors have no cause for dismay, but on the contrary every reason to be pleased.

The Fair is organised by the Export Promotion Department of the Board of Trade, which in a number of important ways makes smooth the part of the exporting manufacturer and helps to make welcome the overseas buyer. The Department collects and makes available information about foreign markets, maintains representatives throughout the world—within the Empire Trade Commissioners, and in foreign countries members of the Commercial and Consular Branches of the Foreign Service. Visitors to the Fair may have correspondence addressed to them c/o the Post Office at Olympia or Earls Court, or at the Overseas Buyers' Club at either centre. Typewriting facilities, inquiry bureaux (equipped to answer questions on quotas, import duties, restrictions, invoicing, etc.) and interpreters are among the services provided; motor coaches will operate continuously and free between Earls Court and Olympia; and assistance is given to buyers who wish to book seats at evening entertainments in London during their visit to the capital.

The number of exhibitors, 3131, constitutes a record, and is an index of the determination of British manufacturers to seek new customers abroad in order to build up the volume of export business which all realise is a *sine qua non* of recorded prosperity or even her continued existence as a great manufacturing country. Many would-be exhibitors had to be turned away for lack of accommodation, and all the stands are being put to full use, as our brief guide to the chemical and allied sections (pp. 496-505) serves to show. As in the pre-war years the Chemical Section is large, representative, and full of interest, from the point of view both of the buyer interested in pure chemicals, and of the overseas distributor of British-manufactured proprietary preparations. Exhibitors of cosmestics are, perhaps, not quite so fully representative as in the Fairs before the war, but there is considerable variety in the exhibits, and much to interest the seeker after novelties. Progress made in scientific and optical instruments during the war is reflected in the exhibits in this section, and the visitor is left in no doubt that the manufacture of surgical instruments in Britain is an important and well-established industry. At our own stand, No. A1324, our representatives will be pleased to receive friends from home or overseas, and to discuss problems with which The Chemist and Druggist, as the weekly newspaper that serves all sections of the drug and allied trades—retail, wholesale and manufacturing—is competent to deal.

A special showcard has been designed for use by retailers making displays of goods purchased at the Fair. Exhibitors are being asked to supply the Fair authorities with the names of retailers who place orders, and the cards will be issued free of charge by the Department.

Need for Balanced Trading

DESPITE the industrial stoppage during the month and the unusually severe weather experienced during the first three months of this year, the value of exports of merchandise of all classes showed an increase in March at £82.6 million, while the total for January-March was £249.8 million, compared with £185 million in the first three months of 1946. Unfortunately, imports have increased at an even greater rate with the total landings for the first three months of 1947 at £364 million, against £269 million in the corresponding period of 1946. The debit trading balance for the January-March periods was £84 million in 1946 and £114.2 million in 1947. These aggregates clearly point to the need for still further expansion of our export trade and for the utmost restriction on imports.

The returns in the "Chemicals" group continue to reflect the growing importance of the industry as a whole in the country's international trade. Imports remain steady at £1.5 million, while exports show an increase, with the March total at £4.8 million. The value of shipments of subsections in the chemicals group for March was as follows. Disinfectants, insecticides and cattle dressings £12,847. Glycerin declined sharply with shipments totalling only £5,236 for the month and £44,750 during January-March compared with £260,000 in the first three months of 1946. Shipments of quinine and its salts continue to expand, with the March total at £16,000 and the three months' total at £43,700, which is more than double the value of exports in the first three months of 1946. The value of shipments of drugs and medicines during March at £436,500 (£1,288,000 for January-March) showed a slight increase over the totals for the corresponding periods of 1946. The chief destinations of shipments of "Chemicals, etc.," were: India, £794,700; Australia, £249,350; Union of South Africa, £190,000; Eire, £184,000; British Malaya, £187,000; Canada, £118,400; Sweden, £137,000; and New Zealand, £80,200.

Imports of essential oils during March totalled £200,800, which was less than half the value of landings in March 1946, but the total of arrivals for January-March at £761,000 was slightly in excess of the value of imports during the corresponding three months of 1946. It is noted that in March this year arrivals of these products from France were valued at £28,400, and landings from Brazil continue in the region of £50,000 each month this year. The heavy decline in imports is in respect of American oils, with the landings for March only £6,000, against £84,800 in March 1946. A similar decline is noted in Italian oils, with arrivals in March 1946 at £176,300, against £8,500 in March 1947.

PHARMACIST'S ANTHOLOGY

"How uncommonly creepy this shop looks," he said. "But yet somehow encouragingly creepy, invitingly creepy. It looks like something in a jolly old nursery story in which you are frightened out of your skin, and yet know that things always end well. The way those low sharp gables are carved like great black bat's wings folded down, and the way those queer-coloured bowls underneath are made to shine like giant's eyeballs. It looks like a benevolent warlock's hut. It is apparently a chemist's." Almost as he spoke, Mr. Bowles, the chemist, came to his shop door in a long black velvet gown and hood, monastic as it were, but yet with a touch of the diabolic. His hair was still quite black, and his face even paler than of old. The only spot of colour he carried was a red star in some precious stone of strong tint, hung on his breast. He belonged to the Society of the Red Star of Charity, founded on the lamps displayed by doctors and chemists.

"A fine evening, sir," said the chemist, "Why, I can scarcely be mistaken in supposing it to be your Majesty. Pray step inside and share a bottle of sal volatile, or anything that may take your fancy. As it happens there is an old acquaintance of your Majesty's in my shop carousing (if I may be permitted the term) upon that beverage at this moment."

The King entered the shop, which was an Aladdin's garden of shades and hues, for as the chemist's scheme of colour was more brilliant than the grocer's scheme, so it was arranged with even more delicacy and fancy. Never, if the phrase may be employed, had such a nosegay of medicines been presented to the artistic eye.

—From "The Napoleon of Notting Hill," by G. K. Chesterton.

SMALL-SCALE STERILISATION

By F. J. Jackson, B.Sc., Ph.C.

2. THE PREPARATION OF DOUBLE-DISTILLED WATER

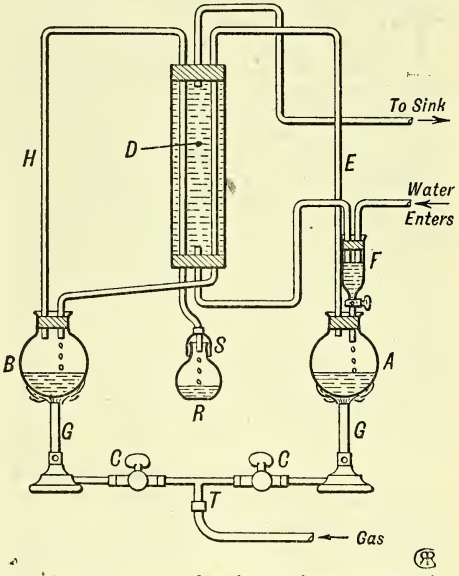
FOR the preparation of injections it is a great advantage to have available a simple means of producing small quantities of pyrogen-free freshly distilled water. When the expense is considered justified, an all-glass continuous gravity still gives excellent results.

To obtain pyrogen-free water using ordinary laboratory apparatus, such as a distillation flask or a Liebig's condenser, it has been found necessary to distil tap water twice over, and to take special precautions to prevent impurities being carried over mechanically. The process is laborious and the apparatus takes up too much bench-room and is too troublesome to fit up and take down, to be suitable for use in a busy dispensary. What is needed is a distillation unit which fulfils the following requirements:—

(1) It must be portable so that it can be lifted on to the bench and put into action at once. (2) It must cost only a few shillings. (3) It must be economical in bench space. (4) It must be continuous and quick to get into action. (5) It should convert tap water into double-distilled water in one process.

An experimental still designed to meet such requirements is illustrated. A and B are 500-c.c. round bottomed Pyrex flasks, each heated by a Bunsen burner G. T is a T-piece, the gas supply to each burner being regulated by the clips C and C. The flasks are fitted with good quality rubber bungs cut from "beer-hose rubber" or from rubber up to the standard required for the manufacture of rings for fruit-bottling jars. F is a tap-funnel fitted with a two-holed rubber stopper. D is a wide glass tube about 15 in. long, fitted with a rubber bung at each end and bored to take the glass tubes as shown. The tube D serves as a cold water condensing jacket. E and H are glass tubes of at least ¼ in. bore. R is a receiving flask and S a dust-shield. The whole apparatus is supported by a single large retort stand with appropriate clamps (not shown in the illustration), and can thus be lifted from a cupboard to the bench as a single unit. Using Pyrex flasks, no gauge or tripod is required for A and B which are supported by clamps from the retort stand.

To work the apparatus, the stopcock of the funnel F is closed and cold tap water passed into it from the mains. The water then enters the bottom of D. When D is full, the flow of water escapes to the sink through the overflow tube. A small quantity of water is then run into A from the funnel and the gas under A lighted. Water vapour passing up through the tube E is condensed by the cold water in D and distilled water collects in the flask B.



A simple apparatus for the continuous preparation of double-distilled water.

When a little water has collected in B, the gas below it is lighted. Water vapour passes up through H, is again condensed in D, and the double-distilled water collects in R. Following the usual practice, the first portion of the distillate is rejected. After the apparatus has been used once, the flask B will always contain some distilled water. Both burners can then be lighted simultaneously and distillation commences after three or four minutes. About 500 c.c. of double-distilled water per hour are produced without unduly "forcing" the still. If A is charged with *distilled* water to begin with, and the stop-cock of F kept closed throughout, treble-distilled water may then be collected in the receiver R.

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British Industries Fair, 1947

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THE British Industries Fair, organised by the Export Promotion Department, Board of Trade, opens on May 5 and closes on May 16. At Olympia, London, W.6, are housed the exhibits of brushes, chemicals and allied products, cosmetics, toilet preparations and perfumery, domestic chemical products, druggists' sundries, drugs and pharmaceutical preparations, toilet sundries (under fancy goods), glassware, invalid chairs, medical and surgical instruments and appliances, office machinery, stationery, photographic apparatus and requisites, scientific and optical instruments, spectacle wares and opticians' supplies, and other items. A section at Earl's Court, London, S.W.5, is principally taken up with textiles, but also houses foodstuffs and beverages, plastics, etc., while the engineering and hardware section is again at Castle Bromwich, Birmingham. From 9.30 a.m. to 7.30 p.m. daily, except on May 10, admission at each of the London Sections is restricted to trade buyers, who should apply at one of the entrances, producing their trade card, for a trade buyer's badge, price 2s. 6d. From 4.30 each day, and on May 10 all day, the Fair is open to the general public.

In the succeeding paragraphs are given advance notes on the principal exhibits of interest to *C. & D.* subscribers, based on material supplied by the exhibitors. THE CHEMIST AND DRUGGIST stand at the Fair is No. A1324 on the ground floor at Olympia (telephone: Renown 3931), and trade visitors are invited to call and interview the paper's representatives at that stand, at which also they will be able to examine the many publications in the *C. & D.* range.

DRUGS, CHEMICALS AND PROPRIETARIES

Abbott Laboratories (England), Ltd., A1279

Wadsworth Road, Perivale, Middlesex, are exhibiting a range of medicinal products, including Tridione (3, 5, 5-trimethyloxazolidine-2, 4-dione, Abbott), with an inhibiting effect on petit mal, myoclonic and akinetic seizures in epilepsy; Pentothal brand soluble thiopentone, B.P., a powerful hypnotic of the thiobarbiturate group; Nembutal (Abbott) brand pentobarbitone; Nembutal and aspirin capsules for restlessness and insomnia due to pain; and Butyn brand of *p*-aminobenzoyl-dibutylaminopropanol sulphate local anæsthetic.

Acme Chemical Co., A1126

Bedfont Road, Stanwell, Middlesex, are staging a display in which the central feature is the Acme patent powder blower, which is understood to be the only apparatus of its kind that can be operated with one hand. Included in the display will be the Acme activated DDT powder and concentrated quassia extract.

Allen, Stafford, & Sons, Ltd., A1255

Wharf Road, London, N.1, are displaying a comprehensive range of pharmaceutical extracts and galenicals, powdered gums and spices, essential oils, isolates, perfumery compounds and allied products, flavouring essences and insecticide extracts including pyrethrum, derris and DDT.

Ashe Laboratories, Ltd., A1188

120 Victoria Street, London, S.W.1, are showing a number of their preparations. Vamoose insecticide powder contains 10 per cent. DDT with pyrethrum in a puffer tin. Git stick "chalk" line insecticide; Rantu, the company's preparation of the new alpha naphthyl thiourea rodenticide, and Vamoose Slug-oids are also shown, and demonstrations are being given in a model house of the company's Prufex treatment for disinfestation from flies.

Association of British Chemical Manufacturers A1123

166 Piccadilly, London, W.1, are maintaining an inquiry office for providing information about British manufacturers of heavy and fine chemicals, disinfectants, insecticides, pharmaceutical, photographic and perfumery chemicals, coal tar products, dyestuffs and intermediates.

The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

MAY 3 1947

Prevailing restrictions and heavy demand on space necessitate the holding over of a number of advertisements week by week. As normal press days are in abeyance advertisers are advised to send instructions as early as possible. Advertisements must be prepaid. Box Office Numbers 2/- extra.

SITUATIONS OPEN

6 for 40 words or less, 2d. for every additional word

RETAIL (HOME)

ASSISTANT wanted for dispensing and counter. Full particulars and experience to J. L. Wissett, hemist, Botley, Oxford.

ASSISTANT required mainly for dispensing. Good class business, pleasant surroundings. Hours 6, Wed 9-1. No holiday duties. Either sex, quali-d or unqualified. Please state age, experience, lary required. Skidmore, Chemist, High Street, unstead, Surrey. 'Phone Burgh Heath 720. (After op hours Burgh Heath 2144).

BIRD & Storey Chemists Marble Arch require an unqualified male assistant with good dispensing xperience for high-class pharmacy. Good hours n alternate rota duty. Apply Manager Bird & torey, Chemists, 1 Marble Arch, London, W.1.Tele-hone Paddington 8421.

BIRMINGHAM. Unqualified assistant wanted for counter and dispensing. Permanency. Good ages paid. 169/717 C. & D. Office.

EDGWARE District. Lady assistant for busy pharmacy, able to assist in dispensing; with pportunity for concentrating on toilets and beauty ulture; good prospects for one with initiative and ct. Full particulars previous to interview. 167/621, . & D. Office.

EXPERIENCED unqualified lady assistant, aged 19-35 years, required for pharmacy in residential istrict near Bromley, Kent. Counters, window-ressing etc. No dispensing. Accommodation found ocally if required. 169/704, C. & D. Office.

HEPPELLS, Chemists, require several unqualified gentlemanly assistants for the West End. Good dispensing and general retail experience neces-ary. Please apply to Superintendent Chemist, Heppells (1932), Ltd., 70 Vauxhall Bridge Road, London, S.W.1. Telephone Victoria 2204.

HOLLOWAY, N. Manager required for busy main road pharmacy, energetic, experienced, sed to N.H.I. Living accommodation available. Good salary. Write 169/702, C. & D. Office.

MANAGER take charge branch pharmacy in North London. Living accommodation not vailable. Permanent progressive post. Apply 167/623, C. & D. Office.

MANAGER, qualified, energetic, competent to take full charge and increase an established usiness. Also dispenser male or female. Apply tating full particulars to Barron, Chemist (Croy-don), Ltd., 77 High Street, Croydon.

NORTH London. Pharmacist required to manage good class family business in Enfield district. Scope for development. Good salary offered to com-petent man. No living accommodation. Write 169/703, C. & D. Office.

PHARMACIST required. Gentleman or lady. Shropshire town. Congenial post for the right ype of person. Please state wages and particulars. Accommodation available. 170/724, C. & D. Office.

QUALIFIED assistant, also unqualified (male) for dispensing in West End store. Hours 8.45 a.m. to 5.30 p.m. Saturday 1.0 p.m. Write giving full particulars to Box No. 732, Sells, Ltd., Brettenham House, Strand, W.C.2.

QUALIFIED chemist required. First assistant. Experienced N.H.I. dispenser. Young man preferred. References essential. House available. W. H. Round, Ltd., 22 Swarthmore Terrace, Mandale Road, Thornaby-on-Tees.

QUALIFIED asisstant required, part or full time, permanency, Croydon area. Particulars to 167/643, C. & D. Office.

QUALIFIED assistant wanted for a good-class business. State age, experience and salary required. Photo if possible. Williams & Smith, Chemists, 21 West Street, Horsham.

ROCHDALE. Qualified locum required for four weeks in summer. Terms and references to Mercer's, Ltd., 265 Oldham Road, Rochdale, Lancs.

SOUTH Kensington. Qualified or unqualified lady or gentleman required for dispensing and counter. Stickland & Co., 41 Thurloe Street, South Kensington, S.W.7.

TIMOTHY Whites & Taylors have vacancies for unqualified dispensing assistants, male or female, for branches in London and throughout the South of England. Excellent opportunities for assistants with sound experience. Good salaries, good prospects, permanencies. Full particulars to Retail Staff Dept., Timothy Whites & Taylors, Ltd., 70 Vauxhall Bridge Road, London, S.W.1.

TOTTENHAM, N.15. Pharmacist required to manage busy branch with brisk N.H.I. and counter. Good salary to experienced man. Small flat available, adequate staff. Write 169/700, C. & D. Office.

UNQUALIFIED assistant, experienced dispensing and counter. London. Apply Lewis & Burrows, Ltd., 146 Holborn, E.C.1.

VICTORIA, S.W.1. Branch manager required for working-class pharmacy, within 10 minutes of Victoria Street. Permanent appointment. Good salary. Saturday half day. Write 169/701, C. & D. Office.

WANTED immediately, secretary-dispenser, non-resident. Salary £5 10s. per week. Dr. Tudor-Edwards, 50 Park Lane, Wembley, Middx. 'Phone Wem. 1630.

WE require first-class pharmacists for managerial positions. In some instances we can offer good accommodation. All vacancies, whether with accommodation or without, provide for progress and promotion, along with security of tenure. Applications in first instance to Superintendent Chemist, London Co-operative Chemists, Ltd., 54 Maryland Street, Stratford, E.15.

RETAIL (OVERSEAS)

QUALIFIED chemist (male) required for progressive post in East Africa. Apply in first place to Johnson & Clapham (Export), Ltd., 54 St. Mary Axe, London, E.C.3.

LOCUMS WANTED

LOCUM wanted from June-August (inclusive), Portsmouth and District Chemists' Association. Apply Secretary, R. Tremlett, Fratton Bridge, Portsmouth.

WHOLESALE

ACTIVE salesmen required in (1) London, North of Thames, (2) South of Thames, (3) South Wales, by London manufacturing and wholesale house. Connections with leading stores and shops preferred, but enterprising newcomer entertained. Fast-selling manufactured lines and unique coverage of other lines offered. Salary or commission with other non-competitive lines. BCM/Bonheure, W.C.1.

ANALYTICAL chemist required for a responsible post in the laboratories of a London company manufacturing medicinal products of the highest quality. An extensive experience is necessary and the successful applicant will be expected to develop analytical methods for the control of quality of new products and to undertake research on works problems. Apply stating age, experience, salary required. 165/553, C. & D. Office.

ASSISTANT chemist required for manufacturing laboratory, with experience of large-scale process work and ampoules preferred. Fullest details and indication of salary required to The Managing Director, Hirst, Brooke & Hirst, Ltd., Sheepscar Works, Leeds 7.

ASSISTANT chemist wanted for control laboratory of new factory healthily situated on hills overlooking Bournemouth. Excellent prospects, interesting work. Full particulars including salary expected in first letter. Write Max Factor, Francis Avenue, West Howe, Bournemouth.

ASSISTANT required for routine analysis of pharmaceuticals in the analytical laboratory of C. R. Harker, Stagg & Morgan, Ltd., Emmott Street, London, E.1. Apply stating experience and wages required.

AYRTON, Saunders & Co., Ltd., 34 Hanover Street, Liverpool, are requiring additional experienced representatives, preferably qualified chemists with good selling record. A complete pharmaceutical service is offered including drugs, packed specialities, tablets, surgical requisites, druggists' sundries, dressings and equipment.

CHEMIST, experienced in making first-quality cosmetics and perfumes, required by manufacturers at Brentwood, Essex. Commencing salary £750 per year, rising to £1,000 per year after 12 months if satisfactory. Send details, age, experience, qualifications, etc., 168/672, C. & D. Office.

CHIEF chemist (organic) experienced vitamin stabilisation required by reputable manufacturing chemists, W. London. Full details of experience, salary required, etc., to 168/665, C. & D. Office.

CLERK (female) required for costing. Knowledge of typing and previous experience of drug trade preferable but not essential. Permanent and progressive position. Write Matthews & Wilson, Ltd., 6 & 8 Cole Street, London, S.E.1.

EXPERIENCED representative required having connections with retail drapers and chemists for good repeating line. Liberal commission and drawing account. Write giving details, age, experience, lines carried, territory covered, etc. Box No. 241, Potters Advertising Offices, Aldwych House, Aldwych, E.C.2.

EXPERIENCED representative required by progressive manufacturing chemists marketing semi-ethical and packed goods, nationally advertised. Must have sound connections with chemists, wholesalers and stores. Territories S.E. and S.W. London. Salary, commission and expenses. Must be car owner. Write stating territory and experience. All complete applications will receive replies 169/719, C. & D. Office.

EXPORT. Assistant required for clerical and development work by house specialising in cosmetics and toilet preparations. Office in London. Good prospects for young, energetic man with sound experience. State full particulars and salary required to 170/723, C. & D. Office.

FIRST-CLASS representatives required for nationally advertised, branded pharmaceutical products, distributed by London house. Salary, commission, expenses and car allowance. Applicant must have up-to-date connection with chemists, and own car. Give full particulars, in writing, to 168/653, C. & D. Office.

FOODSTUFFS buyer required by North-east food manufacturing company. Buying experience concerning the raw materials required in the manufacturing of baking powder, custard powders, pudding mixtures, jelly powders, health salts, etc. essential. Chemist degree desirable, but not absolutely necessary. Send full particulars to 169/708, C. & D. Office.

HIRST, Brooke & Hirst, Ltd., require representative for South Yorkshire area. Applicants must be pharmacists with experience preferred. Apply to Managing Director, Sheepscar Works, Leeds 7.

LIBRARIAN required for research laboratory, able to extract, index and survey literature. Previous medical and pharmaceutical experience and German and French an advantage. Full particulars and salary required to Box No. 2388, Scott's, 9 Arundel Street, Strand, W.C.2.

MANUFACTURING chemists in North London require woman pharmacist as second assistant in the dispensing and light manufacturing department. Salary according to age and experience. Write Box 552, Dorland, 18 Regent Street, S.W.1.

MEDICAL representatives are required for the following territories:— London, Midlands, Scotland. Applicants must give full particulars, including age, experience and salary expected, to 169/712, C. & D. Office.

M.P.S. required to take charge of the manufacture of food beverages and the manufacture and packing of chemists' sundries. Manufacturing experience an advantage but not essential. Ample opportunities for energetic man. Jeffreys, Miller & Co., Ltd., Leyland Mills, Wigan.

OLD-ESTABLISHED manufacturers of high-class toilet preparations introducing new line (shampoo cream) require energetic representative with good connections with chemists in London and Home Counties. Full particulars to 168/657, C. & D. Office.

PROMINENT firm of ethical manufacturing chemists have a vacancy for a young and ambitious pharmacist as a representative in the London suburbs. Applicants should have a good pharmaceutical background, and some experience in a hospital pharmacy would be an advantage. Previous experience as a representative is desirable although not essential. Applications, together with a photograph (which will be returned), should be submitted without delay to 170/731, C. & D. Office.

REQUIRED by London pharmaceutical firm, junior analyst for routine testing of the firm's products and of raw materials. Qualifications preferred but previous experience essential. Box No. 2397, Scott's, 9 Arundel Street, Strand, W.C.2.

REPRESENTATIVES required by wholesale distributors of cosmetics and perfumery on following territories. South and South-eastern and Home Counties, Yorkshire, Lancashire, Cheshire, also North and South Wales. Must have good connection amongst chemists, hairdressers and stores. Liberal commission offered. Apply 170/720, C. & D. Office.

REPRESENTATIVES required in certain parts of the country for the sale of Beaucaire. Beaucaire Laboratories, 27 Vauxhall Grove, S.W.8.

REPRESENTATIVE required immediately for London area to sell series of lines in great demand. Salary, or salary and commission offered. Interview arranged by telephone (MACaulay 3592). Alpha Pharmaceuticals, Ltd., 130 Larkhall Lane, S.W.4.

REPRESENTATIVES required for well-known Northern manufacturing house. Applicants should be experienced salesmen, with good record of achievement and knowledge of general pharmacy. Speciality, propagandist or single-item salesmen are not likely to suit these appointments, which are for: (a) North-east Coast, (b) South Midlands, (c) Liverpool and Cheshire. Apply in confidence with full particulars of qualifications, and previous sales positions to 169/709, C. & D. Office.

REPRESENTATIVE for attractive range of cosmetics for Scotland, North of England, and Midlands. Applicants must have good connections with the better-class chemists, hairdressers and stores. Generous commission basis offered to first-class salesmen with a good knowledge of the trade. Please give particulars of other lines carried, to 168/676, C. & D. Office.

SURGICAL and chemists' sundries manager required to take sole charge of warehouse and staff, London district. Apply in confidence, 164/544, C. & D. Office.

TABLET maker required by Sharp & Dohme, Ltd., Hoddesdon, Herts. Experienced in all operations including coating and familiar with high-speed machines. Five-day week. Apply Production Manager.

WHOLESALE seeds house wants salaried representative for South Coast area. State experience and salary required. 169/699, C. & D. Office.

WHOLESALE (OVERSEAS)

MEDICAL representative required for South Africa by leading firm manufacturing Ethical Products. Applicants, who should preferably be between 30 and 40 years of age and hold a pharmaceutical or equivalent qualification must have initiative, self-reliance and enthusiasm. Previous experience as a representative not essential. A full course of training and some experience at home will be given to the man appointed before he goes overseas. Apply stating experience, qualifications, salary and reasons for wishing to go abroad, to 168/674, C. & D. Office.

QUALIFIED pharmacist, preferably between 23 and 28 years of age, single, required for leading pharmaceutical house in India. Three years' agreement, first class return passage, salary Rs. 800-850-900 (approximately £60, £63 15s., £67 10s.) with free quarters. Provident fund benefits. Excellent opportunity for energetic man. Applications to 170/733, C. & D. Office.

SITUATIONS WANTED

2/6 for 18 words or less, 1d. for every additional word

RETAIL (HOME)

ASSISTANT (unqualified) desires change, wholesale or retail, 25 years' experience dispensing. Also good knowledge surgical instruments, etc. Full particulars to 169/716, C. & D. Office.

WHOLESALE

NEW ZEALANDER, 37, M.P.S. (reciprocal with Great Britain) coming to England later will be seeking executive position in manufacturing or export firm. At present owner of pharmacy and photographic business, also factory manufacturing medicinals and cordials, etc. First-class general business experience, including staff control and knowledge of New Zealand import requirements. Reply in first instance to M. Potter, 6 Broad Street Place, London, E.C.2.

EXPORT. Gentleman, 38, Continental and British qualifications, on permanent staff of Midland firm, wants position where connections with hard currency countries, and organising ability can be used. 169/718, C. & D. Office.

SALES manager, qualified, first-class experience and records, successful turnover increase, seeks post with responsible firm. Aptitude for finding good travellers and training them. Advertising experience at high level. 170/727, C. & D. Office.

SALESMAN, experienced, disengaged, live London and provincial connection, chemists, grocers, wholesale and retail. Only established. firms need reply. Own car. 170/722, C. & D. Office.

SUPERVISOR representative, aged 38, wide comprehensive knowledge selling, managing, organising, desires opportunity where methodical, diligent and intelligent effort could find greater scope. 169/695, C. & D. Office.

YOUNG gentleman seeks appointment as representative to firm of repute. Preferably Yorkshire, or would go anywhere. Keen, smart, willing, plenty of sales ability. Conversant with medicines, perfumery, photographic. Commence immediately. 169/713, C. & D. Office.

APPOINTMENTS

CITY OF MANCHESTER

HEALTH DEPARTMENT

DEPUTY CHIEF PHARMACIST—

WITHINGTON HOSPITAL.

Applications are invited for the appointment of Deputy Chief Pharmacist at Withington Hospital (adult, general—1,150 beds), West Didsbury, Manchester 20. No permanent appointment has been made to this position since the outbreak of war and the post is vacant at present.

Candidates should possess a qualification granted by or recognised by the Pharmaceutical Society of Great Britain (Ph.C. or B.Pharm. preferred) and have had experience in the work of a hospital dispensary.

Annual cash salary and conditions of service in accordance with the recommendations of the Joint Negotiating Committee (Hospital Staffs) i.e., £425 rising by annual increments of £20 to a maximum of £525.

Applications stating age, qualifications and experience are to be addressed to the Medical Superintendent at Withington Hospital on or before May 17th, 1947.

Canvassing in any form, oral or written, direct or indirect, is prohibited.

PHILIP B. DINGLE,
Town Clerk.

Town Hall,
Manchester 2.
April 23rd, 1947.

WHOLESALE DRUG TRADE ASSOCIATION.—The Secretary of the Association requires an assistant-secretary. Should be between 25 and 35 years of age. Must be a registered pharmacist. Duties to include attendance at group meetings and to deal with correspondence and general enquiries. Initiative, high intelligence and outstanding personality are important considerations. Experience in manufacture and wholesale an advantage. Good salary, according to experience. Superannuation scheme after a period of service with the Association. Write, with full particulars of experience, qualifications, age, etc., to THE SECRETARY, THE WHOLESALE DRUG TRADE ASSOCIATION, Tavistock House North, Tavistock Square, London, W.C.1.

LONDON COUNTY COUNCIL

PART-TIME ASSISTANT PHARMACIST required for duty at Tooting Bec Hospital, Tooting Bec Road, S.W.17. Candidates must be Registered Pharmacists. Salary five shillings an hour for amaximum of 21 hours a week. Apply to Medical Officer of Health (MHS/I), Public Health Department (Mental Health Services), County Hall, Westminster Bridge, S.E.1 (1279).

LONDON COUNTY COUNCIL

PHARMACIST (whole-time) (man or woman) required at The Manor, Epsom, Surrey. Candidates must be Registered Pharmacists with not less than three years' hospital experience after qualifying as Pharmacist. Salary £420, rising to £495 a year. Commencing salary according to experience. Married women eligible. For application form, returnable by 19th May, 1947, send stamped addressed foolscap envelope to the Medical Officer of Health (MHS/B), Public Health Department (Mental Health Services), County Hall, Westminster Bridge, S.E.1. 1266).

SURREY COUNTY COUNCIL

HEAD PHARMACIST required at St. Peter's Hospital, Chertsey (470 beds). Applications are invited for the above permanent appointment. Candidates must have had wide experience in hospital dispensaries. Salary grade £520 x £20 —£620 p.a. inclusive.

Applications by letter stating age, qualifications, experience and present appointment with a copy of not more than three recent testimonials, should be sent to the County Medical Officer, County Hall, Kingston-on-Thames, by 17th May, 1947.

SURREY COUNTY COUNCIL

ASSISTANT PHARMACIST required at: EPSOM COUNTY HOSPITAL, Dorking Road, Epsom. Commencing salary on grade £370 x £15—£430 x £20—£450 p.a., inclusive.

Applications in writing, stating age, qualifications and experience with a copy of not more than three recent testimonials should be sent to the Medical Superintendent of the Hospital.

AGENCIES

12/6 for 36 words or less, 3d. for every additional word

AGENTS wanted. Travellers calling on chemists offered generous commission to carry genuine selling line. Repeat orders certain. 170/728, C. & D. Office.

AGENT with strong connections for over 15 years with retail and wholesale chemists in Sussex, Hants and Kent, desires additional lines. Sole agency would be entertained if sound and attractive. 170/730, C. & D. Office.

AGENCY required for North London and Home Counties, first-class connection wholesale and retail chemists, grocers, dept. stores, co-ops., etc. Intelligent and energetic coverage assured. Own car. 169/696, C. & D. Office.

EXPORT markets. Established company with several well advertised toilet products is anxious to extend further its export trade. Keen, able concern, prepared to handle on an exclusive agency basis preferred. Replies in confidence, stating market concerned. 168/682, C. & D. Office.

MANUFACTURING chemists required representative in Scotland for range of pharmaceutical preparations and cosmetics already selling in England direct to chemists. 169/714, C. & D. Office.

SMALL wholesalers invited to carry well-known nationally-advertised quality product sold by chemists, etc. Big discounts and turnover. Write, stating territory covered to 169/698. C. & D. Office.

BUSINESS OPPORTUNITIES

12/6 for 36 words or less, 3d. for every additional word

DISTRIBUTORS of perfumes, cosmetics, etc., invite wholesalers to apply for range of samples and the keenest of prices for fast selling quota lines. Apply 170/721, C. & D. Office.

J. J. & J. JENKINS & Associates, Ltd., can now offer further capacity for making and/or filling and finishing liquid preparations and creams. 78 Bollo Bridge Road, London, W.3. Acorn 4386.

WANTED

7/6 for 36 words or less, 2d. for every additional wor

CAUSTIC soda. Urgently requiring unlimited quantities, large or small, for export. Quote price. 169/705, C. & D. Office.

HOMOGENISOR, hand-operated capacity about 1 to 2 pints or power-driven for small experimental batches. Please forward full specification and price to 170/725, C. & D. Office.

MANUFACTURERS require supplies of Stearic Acid and Glycerine, B.P. Best prices paid for any quantity. Write, 166/614, C. & D. Office

REQUIRED block rouge pads, in large or small quantities. 170/729, C. & D. Office.

REQUIRED urgently, saccharin and sweetening tablets, bulk or packed. Best price paid against pro-forma invoice. J. Thomas (Garstang), Ltd., Market Place. Garstang, Nr. Preston.

SACCHARIN tablets wanted in any quantity, regular supplies for cash, by proprietor busy country pharmacy. 169/697, C. & D. Office.

MISCELLANEOUS SALES

12/6 for 36 words or less, 3d. for every additional word

FOR SALE, 22,000 cylindrical, printed, screw cap, waxed containers, plain lids. Inside depts 2½ inches. Number 30. These cartons are unused, but are printed. Price at cost, 166/- per 1,000, ex works. 170/726, C. & D. Office.

FOR SALE. Lipstick mould, 1 gross lipsticks, 2 gross cases. 5 lb. coloured bases. 1 lb. colours. All high-class. Bargain, £16. Write, 82 Hornsey High Street, N.8. Samples 5/-.

GENUINE Egyptian Henna, surplus to requirements, available in bulk quantities at 6/- per lb. 166/608, C. & D. Office.

OIL. White mineral oil, surplus for disposal. 5 gal cans. Carriage paid. Cans free. 12/- per gal. M. E. & Co., Ltd., 589 High Road, London, N.12. Hil 5806.

SURPLUS stock, 100 gross 1 oz. screw jars complete with metal caps. 25/- per gross delivered. 169/715, C. & D. Office.

SURPLUS to requirements, about 1,000 lb. pure meta cresol, offered at 4/- lb. delivered. 168/675, C. & D. Office.

SURPLUS stock. 6½ cwt. white B.P. Petroleum Jelly. 3 cwt. white B.P.-bleached Beeswax. 28 lb. Nipagin M. 3 drums Technical White Oil. What offers? Apply 167/625, C. & D. Office.

SURPLUS. Progesterone crystals. 500 grams available prompt delivery. Apply, 167/644, C. & D. Office.

TERPINOLENE available immediately. 300 lbs. in 1 drum. M. & B "Extra" standard. Best offer secures. Write 169/706, C. & D. Office.

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A. Boake, Roberts & Co., Ltd., A1054
Carpenters Road, London, E.5, are exhibiting nearly one thousand samples of Abrac chemicals, including cosmetic stearates, compound perfumes, chemicals of the British Pharmacopœia, essential and terpeneless oils, and industrial deodorants.

Boots Pure Drug Co., Ltd., A1193
Nottingham, are featuring their five main manufacturing divisions: Special medical products, fine chemicals, pharmaceutical preparations, toilet preparations and veterinary and horticultural products. They are exhibiting a range of arsphenamines, antiseptics (with particular emphasis on flavines and Flavazole), anæsthetics, biological products, œstrogenic substances, etc., and a wide range of tablets and specialities.

The British Drug Houses, Ltd., A1087
Graham Street, City Road, London, N.1, are showing Analar reagent chemicals; bulk packings of fine chemicals of reagent purity, made at the company's new factory at Poole, Dorset; B.D.H. indicators, with equipment for their use; organic reagents, stains and microscopical preparations; and testing outfits. The use of pellets for production of hydrogen and of dichlorhydrin for colorimetric determination of vitamin A is being demonstrated. Myanesin, a new muscle relaxant for use in surgery, is on show.

Brotherton & Co., Ltd., A1253
City Chambers, Leeds, 1, are staging an exhibit based upon the theme "Coal Tar to Dyestuffs," in which special emphasis is laid on products of interest in the export market—notably sodium hydrosulphite and similar products.

W. J. Bush & Co., Ltd., A1086 & E.C.735
Ash Grove, Hackney, London, E.8, have stands in both the chemical section at Olympia and the food section at Earl's Court. At the main stand at Olympia, there will be shown a complete range of the company's products, including fine chemicals, and materials used in the food and beverage trades. At Earls Court will be shown a comprehensive range of specialities for both the food and beverage industries.

Cupal, Ltd., A1352
Blackburn, are displaying a range of packed pharmaceutical products, including coated and uncoated tablets, capsules, emulsions, ointments and family remedies; toilet preparations; and Secto DDT insecticides. The aim of the company at the Fair is to increase its export trade, particularly in DDT preparations.

William Edge & Sons, Ltd., A1251
Bolton, are exhibiting Drummer and Jiffy dyes, Movol ironmould remover, laundry blues, Little Boy Blue squares and rounds, Dolly blue and Dolly tints. Also shown are the products of an associated company, Roberts' Croupline, Ltd., including Fam-Lax laxative tablets, and Crevalin.

Evans Medical Supplies, Ltd., A1337
Speke, Liverpool, are exhibiting a range of drugs, fine chemicals, pharmaceutical, medical and veterinary products, including Hepamino (proteolysed whole liver in granular form for oral use). Evarsan (neoarsphenamine-Evans), stable in tropical climates, and Sulpharsan (sulpharsphenamine-Evans), which does not need a local anæsthetic when injected, are amongst other preparations displayed.

Field & Co. (Aromatics), Ltd., A1353
Mount Pleasant, Wembley, Middlesex, are showing a new laboratory bench of their own design, produced for them by A. Gallenkamp & Co., Ltd. Two simultaneous distillations are being conducted, using a distillation outfit with vacuum connections. Also on show are a range of modern perfume compounds and a series of concentrated essences.

Fullers' Earth Union, Ltd. A1189
Redstone Hill, Redhill, Surrey, are displaying natural fullers' earth for pharmaceutical purposes, and for the preparation of insecticidal dusts; and activated fullers' earth for decolorising oils (including cod-liver oil and organic compounds), for concentrating vitamins, and for use as a catalyst.

Gelatin Products, Ltd., A1165
Trading Estate, Slough, are demonstrating the company's rotary die capsulation process. All types of pharmaceutical capsules are on show, in a variety of shapes, sizes and colours, and in capsules containing ointments, suppositories, veterinary medicines, insect repellants, cosmetic creams, etc.

Genatosan, Ltd., A1275
Loughborough, Leics, are exhibiting specimens of their medicinal and pharmaceutical preparations, tablets and fine chemicals, ampoules, casein hydrolysate (oral and intravenous), dermatological creams, ointments, powders, and proprietary specialities.

General Chemical and Pharmaceutical Co., Ltd., A1094
Judex Works, Sudbury, Middlesex, are stressing their continued interest in overseas markets, and are exhibiting analytical reagents and laboratory chemicals marketed under the trade marks Judex and Judactan. A series of Judactan analytical reagents with actual batch analyses is on display.

General Kaputine Syndicate, Ltd., A1340
Richmond Mill, Hollinwood, nr. Oldham, are exhibiting a range of packed pills, tablets, ointments, creams and family medicines. Almost the whole of the company's pre-war range of cosmetics is on show for overseas buyers.

Graesser Salicylates, Ltd., A1096
Sandycroft, nr. Chester, specialists in the manufacture of salicylates and aspirin, are exhibiting miscellaneous salicylates, aspirin and allied products, including acetyl o-cresotinic acid, salicylanilide, methylene disalicylic acid, chlor-salol.

C. J. Hewlett & Son, Ltd., A1345
Charlotte Road, London, E.C.2, and Carstairs Street, Glasgow, S.E., are exhibiting home and export packings of their specialities, including Hewlett's mixture and Mispep. Among other specialities on exhibition are Hewvite polyvitamin capsules, Formalgar gargle and mouth-wash, Stilbagen for menopausal therapy, Tussi-Rube, and Hewsol germicide.

Hirst, Brooke & Hirst, Ltd., A1283
Sheepscar Works, Leeds, are showing Notapen brand penicillin preparations and dispensing kits. Hirst's Notapen kits are designed to enable the pharmacist to prepare, as and when required, penicillin cream and eye drops of the highest potency value. A convenient kit with which the veterinary surgeon can make an injection solution immediately before use in the treatment of mastitis in cows has also been produced. Other products shown include Diovascal leptazol, B.P., Lumoxyd iodoxyl, B.P., and Tivlolac colloidal calcium with vitamin D.

Howards & Sons, Ltd., A1195
Ilford, are featuring lauryl alcohol and its derivatives, showing the various uses to which these compounds can be put in different industries.

Hygienic Chemical Co., Ltd., A1091
Neath, Glamorgan, are showing a variety of preparations containing DDT including insecticidal spray powders for agricultural and horticultural purposes, concentrated DDT emulsions, miscible with lime-sulphur and inorganic salts, and polishes and window-cleaning fluids. Also on show are products containing Velsicol 1068, a new chlorinated hydrocarbon organic insecticide.

Imperial Chemical Industries, Ltd., A1023
London, S.W.1, are using their main stand at Olympia to present a complete picture of the organisation and activities of the company. The display will include references to Paludrine and other Imperial Chemical pharmaceutical products.

Jeyes' Laboratories, Ltd., A1309
London, E.13 (proprietors, Jeyes' Sanitary Compounds Co., Ltd.), are showing Strepheptiseptic, which "goes practically three times as far as liq. chloroxylenolis or liq. cresolis saponatus," and Suleo DDT hair emulsion, a specific against head pest infestation (*Pediculosis capitis*).

Kaylene, Ltd., A1150
Waterloo Road, London, N.W.2, are exhibiting a range of pharmaceutical and fine chemicals, including magnesium trisilicate, of which the company were the original manufacturers, trichloracetic acid presented for medicinal and analytical use in the form of detached crystals; camphoric acid for medicinal and industrial uses; stannous sulphate: cinchophen, and Nitron reagent.

Kemball, Bishop & Co., Ltd., A1169
Crown Chemical Works, Three Mill Lane, Bromley-by-Bow, London, E.3, hope to show a full range of the company's products, including tartaric and citric acids, cream of tartar, Rochelle salts, calcium gluconate, lithium carbonate, chloride and hydroxide and Aeracit (acid sodium citrate), as well as samples of products at present under development—notably itaconic acid, kojic acid and fumaric acid.

Killgerm Co., Ltd., A1155
Cleckheaton, Yorks, are showing disinfectants antiseptics and disinfestants, including Killgerm white disinfectant, a stable white emulsion eighteen to twenty times more powerful than pure phenol; Killgerm black disinfectants; Killgercide spray and dusting powder; Nusep antiseptic; and Kilmax lotion.

B. Laporte, Ltd., A1027
Luton, Beds, are basing their exhibit on the histories and developments of hydrogen peroxide and of the company. The stand

will resemble a mid-eighteenth-century room containing paintings illustrating the share of the company in the development of hydrogen peroxide, and will link progress in its manufacture with the work of the pioneer chemists, Priestley and Lavoisier.

Leda Chemicals, Ltd., A1356
Archway Road, London, N.19, are exhibiting a water-based, non-poisonous and non-inflammable DDT liquid preparation in three forms:—Standard, for household use; horticultural concentrate; and super concentrate. Also exhibited are standard DDT powders, Peter Panda fly-killer, and spraying outfit.

L. Light & Co., Ltd., A1158
Wraysbury, nr. Staines, are manufacturers of over 1,000 organic research chemicals and synthetic drugs, which can be supplied from stock, and many of which will be shown at the company's stand.

Lucogen (Emulsion) Co., Ltd., A1315
242 High Street, Bromley, Kent, are making a feature of Mothenda moth repellant tablets. Medicinal preparations shown include Syrup Lucos, packed in 4-oz. bottles, Lucol chest rub, Kloxo insect powder, Pride of Kent corn salve, and Pedogen foot balm.

J. F. Macfarlan & Co., A1164
3 Elstree Way, Boreham Wood, Herts, are illustrating their anæsthetic ether (Keith's) and specially purified anæsthetic chloroform; alkaloids of opium, nux vomica, etc.; Opoidine, a preparation of the total alkaloids of opium; resins; and extracts.

May & Baker, Ltd., A1170
Dagenham, are showing pharmaceutical chemicals, medical and veterinary specialities, industrial chemicals, horticultural products, laboratory chemicals, plastics, and photographic chemicals. The medical section includes the newer acridine antiseptics, the most recent additions to the range of M. & B. sulphonamides, and penicillin preparations. For the convenience of overseas buyers, fine chemicals price lists are available at the stand in several languages.

Navano Preparations, Ltd., A1304
9 Westmorland Avenue, Blackpool, are showing Navano antiseptic foot powder and foot ointment, and Kleergaze, an anti-misting agent for spectacles, car windscreens and windows.

Newball & Mason, Ltd., E.C.588
Beech Avenue, Nottingham, are showing in the food section at Earls Court Clark's medical liver and kidney salts, which were withdrawn during the war but are now available again. The pack has been improved and the label redesigned. Also shown is Masons' extract of herbs.

Newton, Chambers & Co., Ltd., A1149
Thorncliffe, Sheffield, have planned a display to demonstrate a system of industrial hygiene using Izal. There is also a small display of the company's products (e.g., Izal germicide) for factory hygiene and public health. Other products shown include Zaldecide-DDT, insecticide, Zaldecide insecticidal powder, and Izal dustless sweeping compound.

Ozonol Laboratories (1930), Ltd., A1322
New Wharf Road, King's Cross, London, N.1, are showing Ozonol air purifiers, which are compact and non-mechanical and housed in neat metal cabinets. A version of the purifier under the name Ozlab is manufactured for the export market. Also displayed are Tantol germicide, Ozoline-DDT insect spray, Allies DDT and pyrethrum insect powder.

Permutit Co., Ltd., A1194
Gunnersbury Avenue, London, W.4, are showing ion-exchange materials which have applications in such chemical processes as purifying aqueous solutions of organic chemicals containing small quantities of mineral salts; removing traces of impurities from chemicals (e.g., iron from lactic acid, and the recovering cations or anions from waste solutions).

Pure Chemicals, Ltd., A1157
Kirkby Trading Estate, nr. Liverpool, are exhibiting specimens of intermediates used in the manufacture of synthetic organic chemicals, and of betaine hydrochloride, a chemical of which the company is the sole manufacturer in Great Britain.

Roche Products, Ltd., A1191
Welwyn Garden City, Herts, have staged an exhibit to demonstrate that pure vitamins are identical, whether obtained from natural sources or prepared in a factory. Attention is drawn to the use of vitamins in the food industry. In one corner of the stand is a modern tableting machine showing how quickly and efficiently Saridone tablets are produced.

Rodmill Chemical Co., Ltd., A1134
49 St. Anne Street, Liverpool, 3, are making a special display of Antu rodent destroyer, containing alpha naphthyl thiourea presented as a ready-mixed bait attractive to brown rats; Didit insect powder, liquid insecticide and spray powder.

P. Samuelson & Co., A1125
Africa House, 44 Leadenhall Street, London, E.C.3, are giving special prominence to the Nipa series of pharmaceutical and cosmetic antiseptics and preservatives first manufactured in this country in 1939 by Nipa Laboratories, Ltd. The compounds are aliphatic and aromatic esters of *p*-hydroxybenzoic acid, marketed under the registered trade marks Nipagin, Nipasol, Nipasept, Nipabenzyl and Nipacombin. Phenoxetol, the monophenylether of ethylene glycol, is also shown.

Scrubb & Co., Ltd., A1338
Morden Road, London, S.W.19, are showing Scrubb's cloudy ammonia and Scrubb's antiseptic and germicide, and a range of their household products for cleaning and polishing paintwork, furniture, etc.

Shell Chemicals, Ltd., A1028
112 Strand, London, W.C.2, are showing products manufactured by the Shell Manufacturing Co., Ltd., including solvents employed in the extraction of drugs and essential oils, intermediates used in the synthesis of drugs of the chloroform and iodoform group, perfumes of the ionone types, and in the preparation of nail varnishes, nail-varnish removers, toilet waters, rubbing alcohols and hair fixatives.

T. & H. Smith, Ltd., A1160
Wheatfield Road, Edinburgh, are featuring alkaloids, fine and pharmaceutical chemicals (aloin, citrates, santonin), and pharmaceutical extracts and galenicals.

Peter Spence & Sons, Ltd., A1097
National Buildings, St. Mary's Parsonage, Manchester, 3, have a display of alum crystals ranging in size from ¼ in. to 4 in. Each crystal is as near to perfection for its size as was obtainable. [The preparation and growth of a perfect 4-in. crystal takes two years.] Also displayed are samples of Neosyl silica powder as used in the pharmaceutical industry.

Spencer, Chapman & Messel, Ltd., A1058
33 Chancery Lane, London, W.C.2, are making a display of mounted glass bulbs containing samples of different strengths and grades of sulphuric, hydrochloric and nitric acids. Standard export packages for jars and Winchester quarts are also shown.

Splendor, Ltd., A1326
London and Nottingham, are showing, in addition to Propax analgesic tablets, a wide range of pharmaceuticals including the Splentabs range of tablets; Splendor brand formalin and mint tablets, baby cream, etc., Edwards gripe mixture; Cropax foot aids and Splendor lacquer and lipsticks.

Godfrey Thornfield, Ltd., A1327
40 Sackville Street, London, W.1, are to exhibit products of their associated companies as follows: Davies & Long, Ltd.; a new range of Silkyskrin beauty preparations: British Surgical & Drug Co., Ltd.; Besurdy brand antiseptics and Potolics lozenges, and a range of emulsifiers to which the chemist has to add only water: Poplar Glassworks, Ltd.; A range of bottles.

Vitamins, Ltd., A1341
Upper Mall, Hammersmith, London, W.6, are showing the vitamin products of which they are the manufacturers, including Bemax, one of the richest natural sources of the B complex, Befortiss vitamin B complex capsules, and vitamin B 1 tablets and ampoules, as well as pyridoxin (vitamin B 6); Bemax stabilised wheat embryo; Complevite multiple dietary supplement; Pregnavite; and Fertilol capsules.

Ward, Blenkinsop & Co., Ltd., A1059
6 Henrietta Place, London, W.1, have divided their exhibit into three parts: Medical products, fine and pharmaceutical chemicals, and industrial specialities. In the first are included antiseptics, œstrogens, stimulants, sulphonamides, *x*-ray contrast media, and proprietary specialities.

Whiffen & Sons, Ltd., A1053
Carnwath Road, London, S.W.6, are exhibiting their bromides, iodides, alkaloids, and the following items of topical interest: MYDRIATICS: Lachesine, or benzilylethyldimethylethylammonium chloride. PHOTOGRAPHIC AND DYE-LINE CHEMICALS: Diethyl-γ-phenylenediamine hydrochloride and 1-*p*-nitrophenyl-3-methyl-5-pyrazolone. CHEMICALS (a) OF OPTICAL INTEREST: Gr.-Bromonaphthalene (refractive index: 1.659-18°C. (used in microscopical preparations). (b) used in SYNTHESES: Bromostyrene: n-propyl iodide; amyl iodide; and n-propyl bromide. ANTISEPTICS: Tetraiodoethylene.

TOILET PREPARATIONS AND REQUISITES

Abietsan Manufacturing Co., Ltd., A1334

Concordia Works, Carmichael Road, London, S.E.25, are showing genuine concentrated pine-needle oil bath essences and

other pine toilet products and are making a special feature of Flaroma brand toilet preparations and cosmetics. The range includes miniature bottles painted by hand in the company's own studios.

Addis, Ltd., A1270

The Brushworks, Hertford, are showing Wisdom tooth-brushes in both home and export packs, and a range of Addis nylon and bristle tooth-brushes in attractive export cartons. Dental-plate, nail and hair brushes are also displayed.

Josephine Artis Beauty Preparations, Ltd., A1276

357 Kennington Lane, London, S.E.11, are presenting new packs in their Josephine Artis beauty preparations. The range includes creams, lotions, lipsticks, face powders, lavender water and eau de Cologne.

Ashe Laboratories, Ltd., A1339

120 Victoria Street, London, S.W.1, are displaying Bandbox soapless shampoo, which they produced originally to clean human hair clippings used in the production of cystine. Acnolene, for the treatment of all types of acne and dermatitis, and for use on soap-sensitive skins, is also on show, with Adlac granules, and Ashtree pharmaceutical specialities.

C.N.P. Cosmetics, Ltd., A1277

Wimbledon Factory Estate, Morden Road, London, S.W.19, are showing their range of English Rose cosmetics. The C.N.P. English Rose lipstick is displayed in four shades, with the company's vanishing and cleansing creams, cleansing lotions, and nail varnish, also in four shades.

Cussons, Sons & Co., Ltd., A1358

Kersal Vale, Manchester, 7, are featuring a display of their Imperial Leather range of soap and toilet preparations, and of Cussons' lipsticks in new rose shades, presented in attractive gift caskets and in modern leather pochettes.

Alfred Franks & Bartlett Co., Ltd., A1273

Audrey House, Ely Place, London, E.C.1, are making a special display of the Cleff luxury flapjack with a full range of other powder boxes. Also shown are the D'haussy series of toilet sundries, Bartlett manicure requisites, etc.

John Freeman & Co., Ltd., A1295

Spa Brush Works, Chesham, Bucks, are showing their range of Spa tooth and dental brushes, nail brushes, hair brushes and combs. Spa nail brush No. 65, incorporating Nylon bristles in a plastic handle with a separate row of finger bristles, is available for export only, in several pastel shades.

The Gardner Co. (London), Ltd., A1346

79 Bedford Road, London, S.W.4, have a full display of their Atomist throat and nasal sprays, powder applicators and nebulisers. Included in the range are all-glass sprays, and metal and glass sprays with jets and shields adjustable to any position.

Halex, Ltd., E.C.831

Highams Park, London, E.4, are displaying in the plastics section at Earls Court a wide range of saw-cut combs, pneumatic hair brushes, and other toilet brushes, including hair, shaving and nail brushes. A section is devoted to Halex tooth-brushes in an attractive pack. Zote rubber toilet sponges, for which the company are acting as sales agents, are also being shown.

R. Hovenden & Sons, Ltd., A1274

29 Berners Street, London, W.1, are displaying their Old English sweet lavender and Devon violets perfumes in a range of sizes. Stylux hair cream and Stylux shaving cream are included in a display of toilet articles for men. Also shown are Khasana cosmetics and beauty preparations.

Ilex Supply Co., Ltd., A1347

252B Gray's Inn Road, London, W.C.1, are showing Dr. Page-Barker's scurf and dandruff lotion, which is now being exported to all parts of the world.

Lorimer-Marshall, Ltd., **A1357**

Britannia Works, Cold Blow, Hatcham, London, S.E.14, are exhibiting a range of packed pharmaceutical preparations, cosmetics and culinary essences, of which they are able to give prompt delivery for the export and home trade.

Munro Vitarex, Ltd., **A1321**

6 St. Faith's Road, London, S.E.21, are showing a range of Charmony toilet preparations comprising vanishing creams, cold cream, bath salts, talcum powder, soapless shampoos, wave sets, liquid brilliantine and Colonial eau de Cologne, with Debon hair cream and hair oil for men. A new range of Charmony lipsticks is on show.

Potter & Moore, Ltd., **A1284**

Lavender House, Seymour Road, Leyton, London, E.10, are showing Mitcham lavender water in a new range of bottles, and a series of toilet preparations, including powder cream, blush cream, face powder, lipsticks, etc. Mercolised wax, and other preparations of Dearborn (1923), Ltd., are also being shown.

Progress Shaving Brush Co., Ltd., **A1286**

Progress Works, Mottram Street, Stockport, are showing their general utility range of shaving brushes with an improved version of the popular Vulfix Service brush and a special travel brush in plastic container.

Promedico Products, Ltd., **A1330**

21 Turle Road, London, N.4, are showing Promol moth rings and crystals, Promella pine tablets for softening hard water, Procol medicated pine essence for rheumatic complaints, No-escape insect powder, Profol solid fuel cookers and Redux herbal tea. An associated company, Jean Sorelle, Ltd., 22 Turle Road, is showing perfumery.

Rimmel Distributors, Ltd., **A1329**

48 North Row, Park Lane, London, W.1, are showing Rimmel perfumes in the latest French packs, including Vocalise and Ghislaine in four sizes, Cologne Royale, lavender water and ordinary eau de Cologne. Eye cosmetique is shown in black, blue and brown and the Rimmel beauty cake in a plastic case in seven shades. Also shown are the "Two in One" cleansing and nourishing cream, and lipsticks in six shades.

Serv-I-Tor Brush Co., Ltd., **A1290**

40 Upper Clapton Road, London, E.5, are showing bristle and Nylon tooth-brushes in a varied range and packed in attractive "window" cartons for export. Also shown are Nylon and bristle-and-Nylon nail brushes with Perspex backs.

T. J. Smith & Nephew, Ltd., **A1280**

Neptune Street, Hull, are exhibiting their wide range of surgical dressings, and featuring one of their new products, Lil-lets sanitary tampons, which incorporate the latest improvements in internal sanitary protection. Their complete range of pressure bandages is on show, including Elastoplast and Tensoplast bandages, Elastocrepe and Tensocrepe, Semiplast, Ichthopaste and Viscopaste. Also on show are Jelonet, doctors' sets and surgery cases, and Gypsona.

Tampax, Ltd., **A1264**

Belvue Road, Northolt, Middlesex, exhibit Tampax internally-worn sanitary protection, which is fully described in literature available, with free samples, at the stand.

Universal Brush Co., Ltd., **A1287**

Luton, Beds, are exhibiting a complete range of Neolite toilet brushes which are described as precision-machined from laminated crystal and pastel-coloured sheet plastic.

Virginia's Hollywood Preparations (1936), Ltd., **A1328**

Ipswich Road, Trading Estate, Slough, Bucks, are showing the full range of Virginia's Hollywood beauty preparations. Special prominence is being given to the Wonder Mask, a cleansing face-pack.

Viscose Development Co., Ltd., **A1312**

Woldham Road, Bromley, Kent, are featuring Spontex sponges in three grades: Blue label for normal toilet use, red label for household purposes, and green label, an extra fine texture for nursery use. Viskaps (self-fixing bottle capsules) and Viskrings (self-fixing seals) are being shown in a variety of designs and colours.

Zenobia, Ltd., **A1314**

Loughborough, Leicestershire, are showing a range of true flower perfumes including lily of the valley, sweet pea, violet, gardenia and bean blossom, presented in new half-round bottles with plastic and gilt caps. There is also a range of such bouquet perfumes as Chypre Anonyma, Mon Plaisir and Celesta. A wide range of cosmetics and toilet preparations is also being displayed.

SCIENTIFIC INSTRUMENTS, PHOTOGRAPHIC SUPPLIES, ETC.

Baird & Tatlock (London), Ltd., A1031

14 Cross Street, London, E.C.1, are making a display of recently developed scientific apparatus. Among the items shown are the Warburg apparatus for the examination of living tissues, the B.T.L. high speed centifruge and the Karl Fischer titration apparatus.

S. Brannan & Sons, Ltd., A1017

London and Cumberland, are showing a complete range of technical and other thermometers, of which the company are manufacturers. A display designed to show the applications of household thermometers is included, and a skilled glass blower is giving demonstrations.

British Rototherm Co., Ltd., D1687

Merton Abbey, London, S.W.19, are exhibiting a comprehensive range of bimetallic, easily read, dial type thermometers for both industrial and domestic uses. The industrial thermometers include instruments designed for heavy industrial applications of the co-axial, vertical and flange types.

Chance Bros., Ltd., A1079

Smethwick, nr. Birmingham, are making a special feature of a new type of filter glass which provides a precise means of increasing apparent colour temperature. Neodex glass, also on display, has been specially designed for the use of operators engaged in lamp-working glass.

A. C. Daniels & Co., Ltd., D1647

41 New Cavendish Street, London, W.1, are exhibiting record type syringes in card and metal boxes, and in spirit-proof cases of plastic and metal, surgical instruments for general and bone surgery, and electric sterilisers for surgical and midwifery instruments and syringes.

Dufay-Chromex, Ltd., E.C.788 & D1684

Elstree, Herts, include in their Olympia display illuminated panels of Dufaycolor transparencies; examples of reproduction by the Dufaytissue colour-print process; with the Dufay film strip projector, Coronet Cub camera, and a range of photographic accessories. At Earls Court, non-photographic products, including cellulose acetate material and Dufaylite, are the main items displayed.

Federation of Surgical Instrument Manufacturers E1789

River Plate House, Finsbury Circus, London, E.C.2, are showing articles manufactured by the nine participating members of the Federation, including general surgical instruments; hypodermic, serum, insulin and tuberculin syringes and needles; hospital furniture, sphygmomanometers; veterinary instruments; electrical diagnostic instruments for ear, eye, nose and throat; and electrical-medical apparatus.

Gnome Photographic Products, Ltd., A1016

21A Working Street, Cardiff, are showing photographic instruments using a 12-volt or 6-volt lighting system so that adequate light may be obtained from a battery or accumulator, and portable instruments designed for use in a limited space.

Highgate Optical Manufacturing Co., Ltd., D1682

Hatton Garden, London, E.C.1, are showing spectacle frames, sunglasses, component parts of frames, and a D-shaped sunglass, with reinforced sides, screw joints and curved lens, for export.

Ilford, Ltd., E1783

Ilford, London, are using their space to make an advertising display of Ilford Selo films and their various grades of papers. The applications of photography to industry, science, medicine, etc., are demonstrated in a special series of pictures.

Kershaw-Soho (Sales), Ltd., A1098

Mortimer House, Mortimer Street, London, W.1, are displaying a range of cameras and binoculars, including many prototypes. Newmarket is a special ladies' racing glass and the Renown a general purpose binocular.

Scientific Instrument Manufacturers' Association of Great Britain, Ltd., A1113

123 Pall Mall, London, S.W.1, have an information bureau at the Fair and are co-operating in presenting the range of scientific instruments and laboratory apparatus made by members of the Association.

Surgical Instrument Manufacturers' Association, A1032; A1070-72

6 Holborn Viaduct, London, E.C.1, have a composite exhibition of surgical instruments, appliances and hospital equipment, made by the following members: Allen & Hanburys, Ltd., Bethnal Green, E.2 (A1032); John Bell & Croyden, 50 Wigmore Street, W.1 (A1070); Down Bros. and Mayer & Phelps, Ltd., 23 Park Hill Rise,

Croydon (A1071); S. & R. J. Everett & Co., Ltd., 939 London Road, Thornton Heath; F. Froud & Sons, Ltd., 126 Dalston Lane, E.8; A. L. Hawkins & Co., Ltd., 15 New Cavendish Street, W.1 (A1072).

J. W. Towers & Co., Ltd., A1049
Victoria House, Widnes, are exhibiting Towers' analytical, air-damped and semi-micro balances, electric ovens and furnaces, scientific lampblown glassware, hydrometers and thermometers, volumetric glassware, glass pipe-lines, laboratory stirrers and shakers, a high-vacuum pumping unit, and thermostat baths.

G. H. Zeal, Ltd., A1099
Lombard Road, Morden Road, Merton, London, S.W.19, are showing a selection from the numerous types of thermometers produced for use in all phases of industry, scientific research, medical and household purposes. Repello clinical thermometers, to which special attention is directed, incorporate a small, flexible glass bulb, slight pressure on which returns the column of mercury after reading.

MISCELLANEOUS

Amalgamated Rubber Mouldings, Ltd., J2256
Canal Street, Chadderton, nr. Manchester, are showing rubber bathing helmets.

Anglo-Dutch Pharmaceutical Co., Ltd., C1540C
110 Dale End, Birmingham, 44, are exhibiting Wynsomul, an emulsifier for the manufacture of non-alcoholic perfumes and cinema sprays; Wynnosprite, a spirit for perfumery manufacture; and Aidees DDT in liquid and powder. Among other items being shown are a general range of perfumes, and Bubblyfoam, described as a scientific improvement on liquid soap.

P. B. Cow & Co., Ltd., A1282
12 Hay Hill, Berkeley Square, London, W.1, are showing hot-water bottles, air rings, air pillows, whirling sprays, and toilet accessories such as sponge bags. Specially featured are the Li-Lo Diplomat hot-water bottle, a new design of Li-Lo whirling spray, and a Li-Lo sponge bag.

Dohm Pulverising Companies, A1185
comprising Dohm, Ltd., London and Leeds, National Colours, Ltd., Stockport, G. Mellor & Co., Stoke-on-Trent, and British Cork Mills, Ltd., London and Lisbon, are demonstrating the grinding of raw materials and showing samples of minerals, plastics, cork, metal powders, etc. They undertake work for chemical companies who do not have their own grinding plant.

W. Edwards & Co. (London), Ltd., A1019
Kangley Bridge Road, Lower Sydenham, London, S.E.26, are showing vacuum rotary and diffusion pumps, measuring equipment and plant for special vacuum processes in industry, research and educational work.

Esco (Rubber), Ltd., A1316
Kingsland High Street, London, E.8, are displaying Primrose and Primrosette sanitary towels, chemists' rubber sundries (including teats and valves for feeding bottles, baby soothers and pants, chiropody felt, etc.), sponge bags, cot sheets, etc.

Furmoto Chemical Co., A1350
1 Brixton Road, London, S.W.9, are showing a range of products including Furmoto non-poisonous disinfectant.

Isopad, Ltd. A1105
14 Poland Street, London, W.1, are displaying Isopad electrical heating pads, in which the heating wire and fibreglass yarn are woven together on a special loom so that the heating wires cannot touch or cross.

Metal Box Co., Ltd., A1280A and E.C.593
London, have taken two stands in the London section of the B.I.F. The stand at Olympia has as its theme the packaging service provided by the company. The central motif will be a photographic frieze demonstrating the application of the service to a specific packaging requirement. The frieze will be supported by examples of the company's products in the field of pharmaceutical packing. At Earl's Court the stand will show some of the company's products in the field of processed foods.

Reliance Rubber Co., Ltd., A1342
Lots Road, Chelsea, London, S.W.10, are exhibiting moulded seamless hot-water bottles, moulded heat-cured lullaby teats and valves, bathing caps, surgical and drug packings, rubber mouldings, and domestic rubberware.

William Sessions, Ltd., A1292
The Ebor Press, York, will be showing a varied and attractive selection of examples of a production that prior to the outbreak of the 1939-45 war was almost exclusively a Continental preserve, namely, the making of *etiquettes* or art labels for perfumery, cosmetics and toilet preparations, etc.

Schweppes, Ltd., **E.C.742**

Marble Arch House, Connaught Place, London, W.2, are showing their full pre-war range of beverages, still Malvern water, and a range of concentrated beverages. Also shown are products of a subsidiary company Quinette, Ltd., with a wide range of beverage preparations.

Stevenson & Howell, Ltd., **E.C.733**

95A Southwark Street, London, S.E.1, are showing Red Ball brand flavouring essences and food colours, etc., for the aerated water industry, confectionery and food trades. The company's exhibit is at Earls Court.

Thermega, Ltd., **D1694**

51 Victoria Street, London, S.W.1, are exhibiting their Thermega standard three-heat pad for local application in the relief of pain; domestic type and standard medical blankets for hospitals and institutions, and No. 2 size cage heaters, for use in maternity homes for prematurely-born infants.

A. West & Partners, Ltd., **E1787**

4 Abbey Churchyard, Victoria Street, London, S.W.1, are showing their Uno pen stencils, outfits and accessories for lettering plans, showcards, price tickets, etc.

NATIONAL PHARMACEUTICAL UNION

Meetings of the Executive Committee of the National Pharmaceutical Union and of the directors of the Chemists' Defence Association were held in London on April 23.

At the meeting of the Executive, Mr. H. Steinman (chairman) welcomed those present and expressed the hope that the two newly elected members, Messrs. D. W. Hudson and O. C. Seaton, would enjoy a long association with the Union. Messrs. Hudson and Seaton suitably replied. It was resolved that letters expressing the Executive's appreciation and thanks should be sent to Messrs. J. E. French and J. Hague who had recently retired from the Executive.

The Secretary reported the gift of an electric clock for use in the council room which had been received from Mr. H. H. Marshall to commemorate his twenty-five years' association with the Executive. Mr. Marshall was warmly thanked for his gift.

Election of Officers

The following officers were elected or re-elected for 1947-48: *Chairman,* Mr. G. H. M. Graham; *Vice-chairman,* Mr. J. Hearle; *Treasurer,* Mr. A. R. Melhuish. Mr. Graham expressed his appreciation of the confidence extended to him by his colleagues on the Executive, and paid a tribute to the valuable services rendered by the retiring chairman (Mr. H. Steinman) during the previous twelve months. The Chairman congratulated Mr. J. Hearle on his appointment as vice-chairman, and thanked Mr. Melhuish for his continued services as treasurer.

The following representatives were appointed to serve on the Joint Committee on National Pharmaceutical Service: Messrs. E. A. Brocklehurst, G. H. M. Graham, J. Hearle, T. Heseltine, D. W. Hudson, A. R. Melhuish, H. Steinman, W. Tristram and E. Skues (deputy).

The report of a meeting of the Central N.H.I. Committee held on March 26 was received. The following new deposit rates for medicine bottles (poison bottles in brackets) were announced: Up to and including 2 fl. oz., 2½d. (2½d.); 3 fl. oz., 2½d. (3d.); 4 fl. oz., 2½d. (3d.); 6 fl. oz., 2½d. (3½d.); 8 fl. oz., 3d. (4d.); 10 fl. oz., 3½d. (4d.); 12 fl. oz., 4d. (4½d.); 16 fl. oz., 5d. (6d.); 20 fl. oz., 6d. (6½d.); and 40 fl. oz., 9½d. (10d.).

Joint Committee

Mr. W. J. Tristram (chairman) submitted a report on matters arising from a meeting of the Joint Committee held on March 27, and said that chemists in any area in England and Wales who wished to co-operate by filling in the questionnaires dealing with dispensing costs were invited to apply for the necessary forms.

The Secretary reported that a conference of representatives of Pharmaceutical Committees was to be held in London on Wednesday, May 28. Preliminary details had been sent to all secretaries of Pharmaceutical Committees.

The Secretary reported that arrangements had been made with the Ministry of Food to continue the present system for the distribution of blackcurrant purée and syrup to chemists during the 1947-48 season.

It was reported purchase tax on hot water bottles made of pottery, plastic or rubber had been reduced to 16⅔ per cent. as from April 16. Razor strops, razor sharpeners, dental sticks and toothpicks had become taxable at 33⅓ per cent.

Reports of meetings of the Business Services Committee and of the Publications and Price List Committee, held on the previous day, were received and adopted.

Arising from the report of a meeting of the War Distress Fund Committee, the resignation of Mr. R. Peck, who had been Treasurer to the Fund since its inception, was received with regret. A number of applications for financial assistance from the Fund were considered including ten new applications received since the previous meeting.

War Distress Fund

At a meeting of the N.P.U. War Distress Fund Committee held recently in London, the resignation of Mr. R. Peck, who had been treasurer to the Fund since its inception, was received with regret. Mr. A. R. Melhuish was appointed treasurer to fill the vacancy. Ten new applications for financial assistance from the fund were reported and a number of outstanding applications dealt with. The total subscriptions received at March 31 amounted to £38,723, total claims paid being £13,782. In presenting his annual report, the chairman said the committee had met on a number of occasions during the year. The fund had been technically closed for the collection of subscriptions since December 31, 1945, but some small amounts had been received and added to the balance in hand which had amounted to £25,937 by the end of July 1946. Of twenty-seven new applications for grants considered, twenty-one had been completed. Owing to difficulty experienced by some applicants in finding suitable openings for the use of grants, their applications had been filed for attention in due course. The approval of the Charity Commissioners to a suggestion for extending the objects to which the fund might be applied was to be sought.

Chemists' Defence Association

Claims settled on behalf of members since the previous meeting of directors of the C.D.A. were as follows: £27 for loss of wages due to an accident caused by a faulty shop floor; damage to ladv's stockings value 7s. 11d. caused by a packing case; £2 2s. claimed for damage to a plastic mackintosh due to a member's stove, and a similar claim for 15s. 6d. for damage to raincoat; and £3 for damages to handbag and clothing due to the explosion of a proprietary denture cleaner in a customer's shopping bag.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

Mr. John McGregor (vice-president) was in the chair at a meeting of the Council of the Pharmaceutical Society of Northern Ireland held in Belfast on April 18. Good wishes for a speedy recovery were sent by the Council to Mr. J. W. Gray, J.P. (president) who was unable to attend because of illness. Also present were Messrs. H. H. Cowzer (treasurer), H. F. Moore, J. Glendinning, W. H. Boyd, J. Irwin, P. R. W. Shinner, C. Abernethy, H. W. Gamble, F. R. Moore, J.P., J. McDowell, Walter C. Tate, Professor E. B. C. Mayrs and Mr. W. Gorman (secretary). Apologies for absence were received from Mr. J. E. Connor, J.P., and from Mr. Gray.

In tributes to the memory of the late Dr. S. E. A. Acheson and the late Mr. John Grimes, J.P., both of whom had long been associated with the Council, Mr. John McGregor (vice-president) said Dr. Acheson had been a greatly beloved member of the Council since the inception of the Society, and had served as an examiner. It was a mark of the Council's regard for his worth and character that he had been elected an honorary member of the Society. Although he had graduated in medicine nearly forty years ago he had never forgotten his first love of pharmacy. The profession owed much to his wise advice and tactful help on the National Health Insurance Committees. He would be greatly missed as a medical representative on the Council, for until his health had begun to fail he had rarely been absent from a meeting. He was the last chemist and druggist on the register and with his passing another chapter in the pharmaceutical history of Northern Ireland was brought to a close.

Mr. Grimes, the vice-president continued, had also served the Council well. His friendly, unassuming nature had endeared him to them all. The Council would miss his presence and his friendship. After the members had stood in silence, the secretary was instructed to convey the sympathy of the Council to the relatives.

The Secretary reported that Dr. R. H. Sloane, D.Sc., Queen's University, Belfast, had consented to become the Society's examiner in physics in succession to Professor K. G. Emeleus whose term had expired. Dr. Sloane's name, with those of the other examiners, was before the Ministry of Home Affairs for confirmation.

Belfast College

A discussion took place on the desirability of trying to establish a separate department of pharmacy at the Belfast College of Technology. It was decided on the motion of Mr. Abernethy and Mr. Boyd that a deputation consisting of Messrs. McGregor, McDowell, Gamble and Professor Mayrs should seek an interview with the Ministry of Education. It was also decided that a letter from Mr. H. N. Linstead, M.P. (secretary, Pharmaceutical Society of Great Britain) written at the Council's request, and containing the observations of Mr. Knox Mawer (president, Pharmaceutical Society of Great Britain) and of Mr. Linstead on their recent visit to the Belfast College of Technology, should be forwarded to the Ministry of Home Affairs so that it could be brought to the attention of the Ministry of Education.

The Secretary reported that the Chairman of the Statutory Committee had directed that an inquiry should be held on May 9 into the case of a registered druggist convicted of a criminal offence.

A payable order for £804 8s. 6d. was received from the Ministry of Home Affairs, being the balance of fees received under the Pharmacy and Poisons Act, 1925.

On the motion of Mr. Glendinning, seconded by Mr. Boyd, it was agreed to make a grant of £24 11s. 8d. to Londonderry Technical School to cover the cost of equipment for classes in zoology.

Examination Papers

The minutes of the Education Committee stated that it had been hoped that the examiners would be able to set papers to suit candidates sitting under both the old and the new regulations. A difficulty had, however, arisen in biology and it was recommended that a separate paper on botany should be set for those sitting under the old regulations. It was also recommended that a separate examination should be held in forensic pharmacy, as those reading for the B.Sc. degree who had taken their intermediate examination could qualify as pharmaceutical chemists by taking only the forensic examination, provided that their apprenticeship was satisfactory. The examinations would be held in the week commencing June 23.

The same minutes recommended that the Council should accede to a request from the Fermanagh Chemists' Association to recognise classes in chemistry, physics and botany in the Enniskillen Technical School as it had not been possible to find a teacher in zoology. It would then be easier for students coming to Belfast to complete their time for Part I. The minutes were passed on the motion of Mr. Cowzer and Mr. Abernethy.

Notice of motion was given by the Treasurer that £105 should be subscribed to the Centenary Endowment Fund of Queen's University, Belfast, and earmarked for the advancement of pharmaceutics.

The Secretary drew attention to the need for the preparation of plans for educational meetings during the next winter session, and it was decided that preliminary inquiries should be made.

Apprentices

It was agreed to grant certificates of apprenticeship to the following who had submitted the Ministry of Education senior certificate:— Maureen Ferguson, Donaghadee; Thomas Gracey, Portadown; William John Gracey, Lurgan; Arthur Magennis, Coalisland; and Winifred Margaret Stewart, Belfast.

Mr. Tate expressed the Council's appreciation of the manner in which Mr. McGregor had carried out his duties during the visit of the president of the Pharmaceutical Society of Great Britain and his colleagues. Taking the place of the president at the last moment, said Mr. Tate, Mr. McGregor had upheld the best traditions of the Society.

NEGOTIATING COMMITTEE FOR NORTHERN IRELAND

At a meeting of Northern Ireland pharmaceutical chemists, chemists and druggists, and registered druggists held recently in Belfast, Mr. R. Gibson, Ph.C. (president, Ulster Chemists' Association) in the chair, the following committee was elected to represent all pharmaceutical interests in further negotiations on the Health Services Bill with the Minister of Health:—Messrs. J. Coulter, H. W. Gamble, J. R. Gass, R. Gibson, James McDowell, J. McGregor, F. McLoughlin, W. R. McNabb, E. A. Poots, E. A. Richey and P. R. W. Shinner. The new committee, which replaces a joint committee of the Council of the Pharmaceutical Society of Northern Ireland and the Ulster Chemists' Association appointed to hold preliminary discussions with the Minister, has authority to negotiate on any proposals affecting pharmacy's part in the new Health Service.

CONSTITUENTS OF GROUNDNUT MEAL

By Charles March Caines, F.R.I.C.

DURING recent research on the hydrolysis of the proteids it became necessary to determine the suitability of a number of animal and vegetable meals as sources of raw material, and to examine the influence of the residual oil on the process of hydrolysis. In view of the importance at present attaching to groundnut, it was considered likely that the results of a complete examination of groundnut meal might prove of interest.

In addition to the customary quantitative analysis of the meal, determinations were made of the amount of extractive yielded to ether; the percentage of extractive soluble in ether, but insoluble in petroleum ether; the percentage of residue yielded to alcohol benzene (1:4) after previous exhaustion with ether and petroleum ether; the percentage of this alcohol-benzene extract which was found to be soluble in petroleum ether. The analytical constants of these residues were also determined; and in the case of the alcohol-benzene residue, a determination of the organic phosphorus and its equivalent in phosphatide was made.

The groundnut meal yielded the following figures to general analysis:—

	Per cent.
Moisture (loss at 100°-105°C.)	12.40
Oil (total ether extract)	22.96
Ash	3.28
Total proteids (N×6.25)	51.87
Fibre	1.32
Carbohydrates (by difference)	8.17
	100.00

Ether Residue

When an attempt was made to redissolve the residue extracted by ether, in petroleum ether, a quantity of an almost white crystalline deposit separated out. This was filtered off, washed with petroleum ether, redissolved in ether, the ether distilled off, the residue dried *in vacuo* below 100°C., and weighed. It amounted to 0.185 per cent. (calculated on the original meal), or to 0.806 per cent. (calculated on the ether extract). The amount of extractive soluble in ether, but insoluble in petroleum ether. amounted to 22.775 per cent. The crystalline deposit yielded the analytical constants given in the adjoining column. The unsaponifiable matter gave a well-marked reaction for phytosterol, and after acetylisation, and successive recrystallisation from absolute alcohol, gave a well-defined melting point of 125.5°C. The mean molecular weight of the insoluble non-volatile fatty acids was 314.2 and the substance appears, therefore, to be an arachidic acid ester of phytosterol.

ANALYSIS OF CRYSTALLINE DEPOSIT

Total free fatty acid (expressed as oleic acid)	11.81 per cent.
Acid value	23.5
Ester value	184.0
Saponification value	196.3

When completely saponified and further examined it gave the following figures:—

Unsaponifiable matter	35.14
Total insoluble non-volatile fatty acids	45.94
Insoluble unsaponifiable, ether-insoluble layer	18.92
	100,000 p.c.

Allowing for the insoluble unsaponifiable and ether-insoluble middle layer the percentage composition of the fatty complex is:—

Unsaponifiable matter	43.36
Total insoluble non-volatile fatty acids	56.64
	100.00

The analytical constants of the extractive soluble in ether and petroleum ether are as follows:—

Total free fatty acid (expressed as oleic acid)	6.20 per cent.
Acid value	12.30
Ester value	184.0
Saponification value	196.3
Total organic phosphorus	0.044per cent.
Phosphatide (P×26.31)	1.16 per cent.

This is evidently groundnut oil with a small quantity of phosphatide. After complete exhaustion with ether and petroleum ether, the residual meal was exhausted with a mixture of one part of alcohol and four parts of benzene, the extract amounting to 0.69 per cent., and yielding the analytical constants given on the next page.

Residual Meal

The residual meal, after exhaustion with ether, petroleum ether, and alcohol-benzene,

(1:4) was dried and submitted to hydrolysis with 5N sulphuric acid solution for eight hours, at a temperature of 98-99°C. without pressure. The unhydrolysed residue was separated by pressure filtration, washed twice with boiling water, the sulphuric acid removed from the mixed filtrate and washings with precipitated calcium carbonate, filtered under pressure, washed with boiling water, and the filtrate and washings evaporated to the consistency of a soft extract.

Analysis of Residual Meal

Total free fatty acid (expressed as oleic acid)	24.06 per cent.
Acid value	47.7
Ester value	138.2
Saponification value	185.9
Total organic phosphorus	1.03 per cent.
Phosphatide... (P×26.31)	27.1 per cent.

The total amount of dry extractive amounted to 43.75 per cent., and the proteids hydrolysed to 90.8 per cent. of the total proteids present. The dry hydrolysed extract yielded the following figures on analysis:—

Organic acid (as lactic acid)...	13.01
Amino-acids (as glutamic acid)	39.38
Organic matter (other than above) and ash	47.61
	100.00

The total percentage of dry residue remaining after hydrolysis amounted to 15.5 per cent. When extracted with ether it yielded a further 1.16 per cent. of oily residue, equivalent to 0.177 per cent., calculated on the original meal. This oily residue contained 0.04 per cent. of total organic phosphorus (equivalent to 1.05 per cent. of phosphatide).

It is evident, therefore, that a small percentage of the fatty complex of oil and phosphatide remains after complete extraction with all the immiscible solvents tried, and resists attack by 5N sulphuric acid during eight hours' hydrolysis at 98°C. without pressure.

[*From the laboratories of Frederick Boehm, Ltd., Penn.*]

MISCELLANEOUS INQUIRIES

Formulas given below may have been prepared for overseas subscribers and the inclusion of substances therein is no indication that they are available in Britain or, if available, permitted to be used for the purpose.

Silver Hexamine Ointment.—*L.R.M.*—To prepare an ointment of silver hexamine nitrate (equivalent to 2 per cent. strength) dissolve silver nitrate, gr. ½, in distilled water, 1 fl. dr. (approx.). Make a separate solution of hexamine, gr. 7, in distilled water, 1 fl. dr. (approx.). Mix each solution with a separate portion of hydrous ointment to a total of dr. 13.

Nitrocellulose Varnish.—*E. C. C.*—Label varnish suitable for your purpose, and containing nitrocellulose, may be prepared as follows:—

I

Nitrocellulose	12
Butyl stearate	5
Acetone	50
Amyl acetate	30
Ester gum	5

II

Nitrocellulose	12
Acetone	50
Amyl acetate	20
Methyl ethyl ketone	3
Diacetone alcohol	2
Dewaxed dammar	0.4

Before applying any of these varnishes the labels should be sized.

Smoking Habit Cures.—*S.R.L.*—Many agents have been suggested to combat excessive smoking, chiefly based on the production in the smoker's mouth of an unpleasant taste. Probably the most drastic course is the use of a mouth-wash consisting of a weak solution of copper sulphate, or moistening the cigarette or cigar end with a few drops of copper sulphate solution. The repugnant taste produced in the mouth resulting from the action of tobacco smoke on copper sulphate may be removed by rinsing the mouth with vinegar. Painting the palate with a solution of silver nitrate (0.25 per cent.) has also been recommended, while another method is the use of a mouth-wash consisting of dilute solution of hydrogen peroxide, with the addition of a small amount of tannic acid. The anæsthetic effect produced on the palate by allowing a tablet of benzocaine (gr. 3) to dissolve slowly in the mouth is said to be effective in some instances.

Controlling Currant Aphides.—*P.L.O.*—An emulsion of dinitro-orthocresol (D.N.C.) in petroleum oil is useful for destroying the eggs of currant aphides, particularly if capsid bugs are also troublesome. The emulsion should be suitably diluted, and applied when the buds are in the dormant stage. If winter spraying has not been carried out, a nicotine wash may be used in early spring, soon after the eggs have hatched. A suitable formula is:—

Nicotine (96-98 per cent.)	¾ fl. oz.
Soft soap	½-1 lb.
Water	10 gall.

Dissolve the soap in a little hot water, dilute to 10 gallons and add the nicotine. A suitable quantity of wetting agent (e.g., sulphated lauryl or sulphated isolauryl alcohol) may be substituted for the soft soap. Care should be taken in storing the nicotine on account of its toxicity.

THE FEET AND THE PHARMACIST

By C. B. HOLLIDAY, M.P.S.

3. CORNS AND VERRUCÆ

CORNS are formed as a natural reaction on the part of the skin to intermittent pressure and friction, which results in a conical overgrowth of the epidermis downwards, so that the apex presses on the sensory nerve-endings in the dermis, resulting in much pain. Where the pressure is greatest, a nucleus is formed, and this consists of a dense mass of dead epidermal cells that have not been shed in the usual way.

There are several recognised forms in which corns occur, the most common being the so-called "hard" and "soft" corns. Other types are classified as vascular, neurovascular and "seed" corns. Abnormal pressure upon any part of the feet is almost invariably the result of badly fitting footwear, and although the formation of corns may be induced by such factors as a deformity of the foot, arthritis, which affects the texture of the skin and makes it more susceptible to pressure, and hyperidrosis, it is the pressure of the tight boot or shoe that is the immediate cause.

Treatment of Hard Corn

There are three methods of treating hard corns: the operative and chemical methods, and the expedient of relieving pressure by means of suitable padding. It is suggested that both the operative and the padding methods are proper fields for the professional chiropodist, although relieving the pressure by paring away the dead skin by means of a corn plane or sharp knife is widely practised by the public and is not contraindicated. It should be borne in mind that, unless the nucleus of the corn is properly removed, relief is not obtained, and growth of the corn readily recommences around the unremoved corn substance. Padding is a skilled job requiring much experience to prevent further abnormal pressure being produced. It cannot properly be carried out by the patient himself.

By far the most popular method of treating hard corns is the chemical one, and there are many so-called "corn cures" on the market that are recommended for this purpose. Some of these are virtually worthless, but others are quite effective and can be sold with confidence, provided the customer is warned not to allow the preparation to spread to the surrounding tissues and so cause its destruction as well as that of the corn. Most corn cures contain salicylic acid, which is used in various strengths as a caustic. Ointments containing as much as 60 per cent. are used in chiropody. A 25 per cent. solution of silver nitrate is used for all kinds of corns; so is pyrogallol ointment at a strength of 40 per cent. In practice, however, the pharmacist will no doubt confine his attention to either proprietary or own-make corn preparations, and, providing a good formula is chosen, there is no harm in this.

Soft corns are usually found between the toes or in any position where two skin surfaces are in apposition. Treatment is usually the same as for hard corns, though their position on the feet may make it difficult to relieve pressures, and they are then both more painful and more difficult to eradicate. Vascular corns are treated similarly, and differ from them in the presence of capillaries which give the corn the appearance of red or pink dots scattered in a mass of horny tissue. When they are cut, bleeding readily occurs. Neurovascular corns are quite painful, owing to the presence of nerve filaments. Seed corns, the least painful of all, are usually found in groups. Their treatment is the same as for hard corns. Seed corns often occur in poorly nourished skin and are formed by the slightest of pressures.

Verrucæ and their Cause

Whereas it is reasonable to expect that the pharmacist would be in a position to recommend a suitable course of treatment to most sufferers from corns, this is not true of verrucæ, and it is suggested that customers suffering from these should be advised to visit a chiropodist. There are two kinds of verrucæ, more commonly known as warts; the dry wart, verruca arida, and the moist, verruca humida. Both occur most frequently among children and adolescents. It is thought that a filterable virus is the cause of verrucæ, for it is known that they are mildly contagious. They cause pain, generally of a throbbing kind.

Verrucæ are treated in several ways: by excision, *x*-rays and radium treatment, by electrolysis, and so on, but chemical methods are the ones usually adopted. Chemical treatments are based on the fact that, by means of a caustic, an eschar can be formed, and this is followed by removal of the des-

troyed tissue by surgical means. It is usual to achieve this slowly to prevent pain, hence the necessity for prolonged treatment by the chiropodist. The superficial layers are first destroyed by formation of an eschar, and this is removed at a later visit. More caustic is applied, and the necrosed tissue again removed. The process is continued until the verrucæ has completely broken down.

BUSINESS QUERIES AND ANSWERS

Stock Valuation

"When assessing the value of stock-in-trade for balance-sheet purposes, is it permissible to price out any of the items at sale prices?"—M. L.

The entire stock should be priced out on the basis of cost price or market price, whichever is the lower. If any items are assessed at selling prices the effect would be to record a profit which has not yet been realised.

Proprietor's Wages

"For some years all my personal drawings have been charged against me, and neither myself nor my son has received a penny for work actually performed. Is it not permissible to include proprietor's wages when making up the annual accounts for income tax?—F. R."

Wages of the proprietor and members of the family may be included in the weekly wages for services rendered, providing the amounts correspond with those paid to employees undertaking the same duties. Such wages should have regard to Trade Board regulations and the Retail Trades Joint Industrial regulations, and may be allocated on the basis of the number of hours worked.

House Charges Against Shop

"The rooms above my shop are used as living quarters for my family and I have been asked to supply the Inland Revenue with statements giving the "House Charges Against Shop" and "Shop Charges Against House." As I wish to obtain a deduction from my tax assessment, could you help by enumerating some of the main items to be included in such statements?"—P. S.

The house charges against shop should be detailed by a member of the household, and the total amount shown as a separate item on the debit side of the periodical profit and loss account. Where applicable, the following should be included:—Cost of meals provided to assistants; shop work done by house staff (if paid by household); cost of lighting, heating and cleaning shop, dispensary, office, etc., used for business purposes and borne by household; other shop expenses borne by household.

The shop charges against house should be detailed by the proprietor or manager of the shop, and the total amount shown as a separate item on the credit side of the periodical profit and loss account. Where applicable, the following should be included:—Value of goods supplied to family; wages charged in the shop accounts for servants partly engaged in house work, or attending to a private car, etc.; an amount equal to two-thirds of the rent of the house.

Purchases and Sales

"The local Inspector of Taxes wants to know my precise figures of purchases and sales for the year, although I have already supplied him with a complete cash account showing my trading receipts and payments. Is that not sufficient?—E. M."

By itself, a summary of actual cash transactions is incomplete as credit transactions are not included. To arrive at the total of the trade purchases, the sum owing to creditors and trade suppliers at the end of the year should be added to the total cash payments, and from this figure should be deducted the amount which was owing to creditors and suppliers at the beginning of the year, as follows:—

	£	s.	d.
Cash payments for year		:	:
Add amount owing to creditors and trade suppliers at end of year ...		:	:
Total ... £		:	:
Deduct amount owing to creditors and trade suppliers at beginning of year		:	:
Trade purchases for year ... £		:	:

Similarly, to ascertain the total for the year the sum owing by customers and trade debtors at the close should be added to the total of the cash received and outstanding book debts deducted, as follows:—

	£	s.	d.
Cash receipts for year		:	:
Add amount owing by customers and trade debtors at end of year		:	:
Total ... £		:	:
Deduct amount owing by customers and trade debtors at beginning of year		:	:
Sales for year ... £		:	:

OVERSEAS TRADE NEWS

Belgian Price Cuts.—The Belgian Government has ordered reductions ranging from 2 to 10 per cent. in the prices of chemical and pharmaceutical products from producers to wholesalers and retailers.

Swiss Chemical Exports.—Shipments abroad of pharmaceutical chemicals and other drug-trade goods rose from 7.9 million francs in January 1946 to 17.4 million in January 1947.

Penicillin Pessaries.—The U.S. Food and Drug Administration has authorised the production and sale of penicillin pessaries, composed of sodium, calcium or potassium penicillin, or a mixture of these salts, in a base of spermaceti and cocoa butter. The minimum potency is to be 100,000 units.

China May Increase Imports.—The restrictions on the importation of drugs into China may be lifted shortly as a result of an appeal by the National Health Administration to the Executive Yuan to sanction immediate imports of essential drugs and to increase the foreign exchange allotment for "chemicals."

German Chemicals for Norway and Holland.—Firms in the German province of Hesse have signed contracts for the export of pharmaceutical articles to the Netherlands and chemicals to Norway, according to Dr. Newman, Director of the American Military Government of Hesse.

Soviet Chemical Industry.—Production of pharmaceutical chemicals, photographic materials, vitamins, dyes and plastics in the Soviet Union is to be expanded considerably under the present five-year plan. The output of synthetic alcohol will be greatly increased. Existing plants are to be rehabilitated or expanded and new factories constructed in areas rich in raw materials.

German Chemical Exports.—German chemical exports will consist mainly of tar and mineral paints, pharmaceuticals and heavy chemicals, it was stated at a recent meeting of representatives of the Laender and chemical organisations at Wiesbaden. Imports will be made up chiefly of rosin, fatty acids, drugs, turpentine oil, casein and raw phosphates.

Chinese Oil Export Targets.—China expects to ship 141,400 metric tons of oils this year under a plan drawn up by the Chinese Ministry of Economic Affairs. Groundnut oil will be exported to Canada only, which will receive 1,000 tons, while exports of rapeseed oil, totalling 11,000 tons will be divided equally among ten countries.

U.S. Trade with the U.S.S.R.—Exports from the United States to the Soviet Union during the first half of 1946 amounted to $223,439,000. Of this total, "medicinal and pharmaceutical preparations" accounted for $781,000 and "medicinal chemicals for prescription use" for $300,000. Exports of fish-liver oils and vitamin concentrates totalled $333,000, and soap and toilet preparations, $22,000.

Italy's Trade.—Italy's imports of inorganic chemical products in the first half of 1946 amounted to 3,144 metric tons, valued at 62,244,000 lire. Imports of organic chemicals totalled 1,601 tons, valued at 85,550,000 lire, and of gums, resins and natural balsams, 1,082 tons (44,067,000 lire). Italy's exports of tartrates, wine lees and argots in the same period amounted to 1,080 metric tons (95,521,000 lire).

Mexico Curtails Candelilla Harvesting.—The Mexican Government plans to enact legislation to prohibit the cutting or harvesting of the candelilla plant for twelve months. It is thought, however, that sufficient stocks are in the country to tide over the whole period both for domestic and export requirements. The action has been necessitated by drastic depletion of the plants which grow naturally in the northern parts of the country.

New Port for Tanganyika.—In connection with the newly-developed groundnut scheme in East Africa, it is proposed to construct a new deep-water port and railway in Southern Tanganyika, costing £SA. 4,000,000. The small existing port of Lindi was passed over in favour of a large lagoon on Mikindani Bay, about forty miles to the south. It is estimated that the groundnut traffic will reach a maximum of 500,000 tons a year. Lindi will be enlarged and used until the new port is ready.

Essential Oils Industry in U.S.—With the resumption of large-scale importations of essential oils into the United States, the war-time developed domestic industry is reported to be in danger of being shut down unless scientific farming methods are developed. These oils could be produced commercially on a large scale in the United States, but at present, lower priced, imported material produced by cheap foreign labour is becoming increasingly available to U.S. consumers.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex Street, W.C.2, April 30

BUSINESS has been moving on a moderate scale with a good inquiry from overseas buyers. The general tone of the markets is steady and no price changes have been noted for PHARMACEUTICAL CHEMICALS. It is understood that the higher cost of metal will shortly result in increases in the prices of ANTIMONY SALTS. Supplies of a number of fine chemicals are still very tight and no improvement can be expected until the level of the stocks of raw materials has been raised.

Crude Drugs

The markets have shown only small changes during the past week; prices have been fairly steady. A fair inquiry has been noted for STAR ANISE and quotations have been somewhat lower than in recent weeks. The small supply of English BELLADONNA HERB has been sold. Sumatra BENZOIN is easier with quotations for very good almondy material at £23 per cwt. Stocks of CALUMBA are not very large; a good export inquiry has been received for this root. LIQUORICE ROOT has been inactive but the JUICE is in good demand from the Continent. GUM MASTIC is easier. A small supply of LOBELIA is now available; spot quotations are at 6s. per lb. A rather better demand for MENTHOL has been reported; a fair business has been passing in Chinese material for export. SENEGA is rather dull with prices again easier. A good demand has been received for hand-picked Alexandrian SENNA PODS. Quotations for Belgian VALERIAN are lower.

Essential and Expressed Oils

Little activity has been seen in ESSENTIAL OILS with buyers holding off as a result of the drop in shipment quotations for a number of oils. The Essential Oils Control have informed the trade that some holders of delayed allocation stock are not carrying out the duties which are imposed upon them as such stockholders. The Control states that the remuneration of stockholders is dependent on the satisfactory performance of these duties.

There have been no changes in the Ministry of Food prices of UNREFINED OILS and FATS.

U.S. Drug and Chemical Report

New York, April 25

CHEMICAL production figures for January point to higher output for the industry generally, although inadequate transportation facilities are still holding up the distribution of many products. It is predicted in some trade quarters that ALCOHOL prices will be reduced in the near future as a result of further imports from Cuba.

Little activity in CRUDE DRUGS is reported; the Food and Drug Administration continues to detain considerable quantities of imported material while replacement costs are firm and high. Some new lots of Chinese MENTHOL are expected to arrive within the next few weeks; U.S. consumer demand is very limited at the present time. Very little interest is displayed in MERCURY here, and a reduction of $1 on the cost of a flask of metal was recorded during the week. New-crop cut VANILLA BEANS should be available within a few weeks from Mexico but new-crop whole beans will not be available until June, according to the Journal of Commerce. The prices quoted on cut beans by major shippers in Mexico remain firm and high and in view of conditions in Madagascar, there appears to be little hope for any marked reduction in spot prices despite the current lull in activity. The first substantial shipment of SPERM OIL to arrive in the United States since the war—nearly 1,500 tons—reached here during the week from Liverpool on a Norwegian vessel. Reports state a large consignment of Norwegian COD-LIVER OIL has also been unloaded here recently.

An improvement in buying of ESSENTIAL OILS is expected with the halting of the downward price tendency of recent weeks. FLORAL OILS are understood to be moving into a better supply position while most varieties of ORANGE OIL are exceedingly scarce.

Pharmaceutical Chemicals

ASCORBIC ACID.—Current quotations are from £23 10s. per kilo, upwards.

ASPIRIN.—Makers' prices per lb., in the home market, are as follows: 28 lb. and under 1 cwt., 4s. 4½d. (1-lb.), 4s. 3½d. (2-lb.), 4s. 3d. (4-lb.), 4s. 2d. (7-lb.), 4s. 1½d. (14-lb.), 4s. 0½d. (28-lb.). Net one month.

ATROPINE.—Home trade prices per oz. are as follows: ALKALOID, 42s. 6d.; 4 oz., 42s.; 25 oz., 41s. 6d. SULPHATE, 34s.; 4 oz., 33s. 6d.; 25 oz., 33s. METHYLBROMIDE and METHYLNITRATE, 75s.

BARBITONE.—In good demand. Quotations are from 42s. 6d. to 45s. 6d. per lb., according to quantity. SOLUBLE is available at the same prices.

BROMIDES. — Makers' current rates are as follows: POTASSIUM.—1 cwt., 2s. 6d. per lb.; 28 lb., 3s. 0½d.; 14 lb., 3s. 2½d. Powder is 2d. per lb. more. SODIUM is ½d. per lb. less than above rates and AMMONIUM 1½d. per lb. more.

CARBROMAL.—Importers' quotations are from 32s. 6d. to 35s. per lb., as to quantity.

CHLORAL HYDRATE.—Current rates are as follows: 28 lb., 4s. 8d. per lb.; 14 lb., 5s.; 7 lb., 5s. 3d.; less than 7 lb., 5s. 9d. per lb.

CHLOROCRESOL.—In good demand. Quotations are from 4s. to 4s. 6d. per lb.

CHLOROFORM.—Current rates are as follows: 1-cwt. lots in Winchester quarts, 2s. 11d. per lb.; 56 lb. 2s. 11½d.

CINCHOPHEN.—Prices are from 35s. to 40s. per lb., according to quantity.

DIAMORPHINE. — Prices per oz. are: ALKALOID, ½ oz., 54s. 6d.; 1 oz., 52s.; 2 oz., 50s. 6d.; 3 oz., 49s. 9d.; 4 oz., 49s. 6d. HYDROCHLORIDE, ½ oz., 50s. 3d.; 1 oz., 47s. 9d.; 2 oz., 46s. 3d.; 3 oz., 45s. 6d.; 4 oz., 45s. 3d. per oz.

DIGITOXIN.—Current quotations are in the region of 170s. per gm.

ERGOMETRINE.—Makers' prices per gm. are as follows: BASE, in quantities of 1 gm., £20; 5 gm., £19 5s.; 20 gm., £19. ACID MALEATE, 1 gm., £14 15s.; 5 gm., £14 5s.; 20 gm., £14.

EUCALYPTOL.—B.P. quality, in good supply, is available at 12s. 6d. to 13s. per lb., according to quantity.

GUAIACOLS.—In fair supply. Liquid is quoted at 14s. 6d. to 16s. per lb.; crystal and carbonate, 14s. to 15s. per lb., according to quantity.

HEXAMINE.—B.P. is quoted at from 1s. 5d. to 1s. 9d. per lb., as to quantity.

HEXYL RESORCINOL.—Quoted from 18s. to 20s. per oz. upwards.

METHYL SALICYLATE.—Current rates are as follows: Winchester quarts, 2s. 2½d. per lb.; 56 lb., in demijohns, 2s. 1d.; 1 cwt. in demijohns or carboys, 2s. 0½d.; 5 cwt., 2s. All prices are net.

METHYLTHIONINE CHLORIDE.—Quotations are from 8s. 6d. to 10s. per lb., according to quantity.

MORPHINE.—Prices per oz. current in the home market are: ALKALOID, ½ oz., 55s. 3d.; 1 oz., 52s. 9d.; 2 oz., 51s. 3d.; 3 oz., 50s. 6d.; 4 oz., 50s. 3d. HYDROCHLORIDE, ½ oz., 46s. 9d.; 1 oz., 44s. 3d.; 2 oz., 42s. 9d.; 3 oz., 42s.; 4 oz., 41s. 9d.; BIMECONATE and TARTRATE, as ALKALOID; ACETATE, HYDROBROMIDE and SULPHATE, as HYDROCHLORIDE.

PILOCARPINE.—Makers' rates per oz. are as follows: ALKALOID.—1 oz., 37s.; 4 oz., 36s. 6d.; 25 oz., 36s. HYDROCHLORIDE.—1 oz., 32s. 6d.; 4 oz., 32s.; 25 oz., 31s. 6d. NITRATE.—1 oz., 30s. 3d.; 4 oz., 29s. 9d.; 25 oz., 29s. 3d.

PIPERAZINE. — Current prices are from 4s. 6d. per oz., according to quantity.

SALICYLATES.—Makers' prices per lb. (containers in brackets) for SODIUM SALICYLATE, current in the home market, are as follows: 28 lb. and under 1 cwt., 3s. 2d. (1-lb.); 3s. 1d. (2-lb.); 3s. 0½d. (4-lb.); 2s. 11½d. (7-lb.); 2s. 11d. (14-lb.); 2s. 10d. (28-lb.). Net one month.

SANTONIN.—Prices are unchanged; 5 kilos, £44 per kilo; less than 5 kilos, £45; 1 kilo, £46; half-kilo, £47; quarter-kilo, £48 per kilo; carriage paid in U.K.

Crude Drugs

ALOES.—Curaçao is steady at 240s. per cwt., spot; forward, from 230s. to 240s., c.i.f. Socotrine is quoted from 175s. to 190s. per cwt. for fair to good material; poorer grades are offered at as low as 150s. Cape, for shipment, is quoted at 190s., c.i.f.

ANISE (STAR).—Spot quotations are easier at 150s. per cwt.

BALSAMS.—Quiet. *Canada* is in routine demand at 15s. per lb., spot; Parà *Copaiba* is quoted at from 8s. to 9s. per lb.; *Peru* is at 7s. 6d. to 8s. per lb., duty paid. *Tolu* prices are from 18s. to 19s. per lb., spot.

BENZOIN.—Spot quotations for Sumatra are easier at from £17 10s. to £23 per cwt., according to quality.

CALUMBA.—Spot quotations for washed root are from 80s. to 85s. per cwt. Natural root is offered at 55s. to 60s. per cwt.

CAMPHOR. — Steady. Chinese tablets (¼-oz.), quoted at 12s. per lb., spot; refined powder (B.P.), 11s. 3d.; Formosa crude (B.B.), 10s. 3d.; 2½-lb. slabs, afloat, quoted at 10s. 6d. per lb., landed, duty paid.

CARDAMOMS.—Quiet and steady. Mangalore, half-bleached, A's are quoted at 8s. 9d. per lb.; B's, 8s. 3d. per lb.; seeds, 7s. 9d., spot. Aleppy seeds, No. 1, are at 8s. per lb.; Aleppy greens, 7s. per lb., spot.

CASCARA SAGRADA.—Quiet. Quotations are at 270s. to 280s. per cwt., duty paid, according to holder.

GUM ACACIA.—Kordofan cleaned sorts is steady at 76s. per cwt., spot, London or Liverpool; shipment is at 70s. 6d., c.i.f. Bleached No. 1 is quoted at 145s., ex store. Talha, cleaned, is easier at 43s., spot; forward, 38s., c.i.f.

GUM MASTIC.—No. 1 is easier at 16s. 6d. per lb., duty paid.

LIQUORICE ROOT. — Quiet. Anatolian whole root is steady at 60s. per cwt., on the spot. Turkish juice (block) is quoted at 250s. to 260s., spot.

LOBELIA.—Spot quotations are at 6s. per lb.

MENTHOL.—Brazil is at 50s. to 51s. per lb., duty paid, according to holder; forward, 43s., c.i.f. Chinese is at 52s. 6d. to 54s. 6d., duty paid; forward quotations are at 48s. 6d., c.i.f.

MYRRH.—Aden sorts are quoted at £14 to £15 10s. per cwt., according to quality; siftings, £8 to £10 per cwt.

ORANGE PEEL.—Spanish quarters, steady at 1s. 6d. per lb., spot; sweet ribbon, 1s. 9d. per lb. Bitter ribbon is quoted at 1s. 3d. per lb., spot Liverpool.

PIMENTO.—Firmer. Spot quotations are at 1s. 1½d. per lb.

RHUBARB.—Chinese rough round, with a fair fracture, 7s. 9d. to 9s. per lb., according to quality and holder. French rhapontica is available at 2s. 3d. per lb., spot.

SANDARAC.—Steady. Quotations are at 6s. 3d. to 6s. 6d. per lb., ex store London.

SARSAPARILLA. — Jamaica, native red, is quoted at 2s. 4d. per lb.

SEEDS.—The market continues quiet in the absence of buyers. ANISE.—Cyprus quoted 2s. 4d. per lb., spot London or Liverpool. CARAWAY.—Dutch offered at 1s. 6d. per lb., duty paid spot London. CELERY.—Indian is 1s. 6d. per lb., spot London or Liverpool. CORIANDER.—Spot, Morocco quoted at 60s. per cwt., duty paid, ex wharf London; Italian, 57s. 6d. per cwt., duty paid, ex wharf London; Argentine now offered at 57s. 6d. per cwt., duty paid, ex warehouse Liverpool; English is 75s. to 80s. per cwt. CUMIN.—Spot, Morocco is 240s. per cwt., duty paid; Indian, quoted at 235s. per cwt., ex wharf Hull; Cyprus is 240s. per cwt., ex wharf London. DILL.—Indian, 45s. per cwt., ex wharf London or Liverpool. FENNEL.—Indian offered at 105s. to 115s. per cwt., spot Liverpool. FENUGREEK.—Indian, 50s. per cwt., quoted ex wharf London or Liverpool, but sellers are inclined to accept a lower price for parcels in Liverpool; Morocco, new-crop for June-July shipment, quoted at 52s. per cwt., c.i.f.

SENEGA.—Quoted at 13s. to 14s. per lb., spot.

SENNA.—Tinnevelly leaves, spot, No. 1, 1s. 2d.; No. 2, 10½d.; No. 3, 10d.; No. 4, 8½d. Tinnevelly pods, hand-picked, 10½d. to 1s. 4d.; manufacturing, 6d. to 6½d. Alexandrian pods, hand-picked, spot from 4s. 3d. to 4s. 9d., according to quality; medium, 2s. 9d.; manufacturing, 1s. 9d. to 2s. per lb.

SHELLAC.—Spot quotations ex warehouse London are as follows: F.O.T.N., pure, easier at 340s. per cwt.; F.O. standard, No. 1, 350s.; F.O. lemon, No. 1, 375s.; F.O. lemon, No. 2, 365s.; A.C. garnet, 375s.; buttonlac, 375s. per cwt.

SQUILL.—Italian is quoted at 70s. per cwt., spot.

STROPHANTHUS.—Quiet. Kombé seed, 100 per cent., 10s. per lb.

STRAMONIUM.—Indian leaf is quoted at 85s. per cwt., on the spot.

VALERIAN.—Belgian root is easier at 190s. to 220s. per cwt., according to holder.

WAXES.—Dar-es-Salaam BEES' is quoted at from 362s. 6d. to 365s. per cwt., spot; shipment, 355s., c.i.f.; Lindi is at 360s., spot and shipment, 350s., c.i.f. CANDELILLA.—Offered at 455s. per cwt., spot; forward quotations are at 442s. 6d., c.i.f. CARNAUBA.—Fatty grey is quoted at 900s. per cwt., spot; now loading, 830s., c.i.f.; May-June shipment, 700s., c.i.f. Prime yellow is at 1,150s. per cwt., spot; afloat, 1,120s., c.i.f.; June-July shipment, 960s., c.i.f. Medium yellow, spot, is priced at 1,130s. per cwt. MONTAN.—Czechoslovak crude is steady at 335s. per cwt., spot. OURICURI.—2 per cent. is quoted at 510s. and 9.2 per cent., 485s. per cwt., spot; 6 per cent. shipment is quoted at 450s., c.i.f.

Essential and Expressed Oils

ALMOND.—B.P. sweet is quoted at 8s. to 9s. per lb., according to quantity.

CITRONELLA. — Ceylon is available at prices from 8s. 6d. to 11s. 6d. per lb., spot.

CLOVE.—English-distilled from buds is quoted at 11s. to 12s. per lb., according to quantity.

LEMONGRASS.—Cochin is quoted at from 12s. to 14s. 6d., spot; forward quotations continue to be easier.

PATCHOULI.—Seychelles, spot quoted at 140s.; to come forward, 80s. per lb. Singapore, spot, 205s.

ROSEMARY.—Spanish is quoted at 9s. 6d. to 11s. 6d. per lb., as to quantity.

SANDALWOOD.—English-distilled, in limited supply, is quoted at 85s. to 90s. per lb., according to quantity.

SASSAFRAS.—Brazil is quoted at 5s. 6d. to 6s. per lb., spot.

THYME. — Red oil (40-42 per cent. phenols) is at 17s. 6d. to 18s. 6d. per lb.; white oil is quoted at 20s. to 21s. per lb., spot.

Synthetics and Isolates

PRICE changes are forthcoming for a number of these products. Quotations are as follows: ANISIC ALDEHYDE (Aubepine), easier at 35s. per lb. for perfumers' grade; CITRAL, somewhat easier at 55s. to 60s. per lb.; EUGENOL, 16s. to 17s. per lb.; GERANIOL, ex Ceylon, 45s. and ex Java, 70s. to 72s. 6d. per lb.; HYDROXYCITRONELLAL, 155s. to 185s. per lb.; ISOEUGENOL, easier at 19s. to 20s. per lb.; INDOL, easier at 20s. per oz.; IONONE, 100 per cent., is now 75s. per lb.; METHYL IONONE, 85s. to 90s. per lb.; MUSTARD OIL (artificial), 20s. per lb.; RHODINOL, 175s. per lb.

CASTOREUM SALE

ACTING on the instructions of the Hudson's Bay Co., Messrs. Goad, Rigg & Co., brokers, sold some 640 lb. of castoreum at Beaver House, London, E.C.4, on April 24. The sale, the first to be held since before the war, was in the nature of an experiment and is expected to lead to a resumption of the annual December sales of castoreum. Bidding for the better quality material was keen. Firsts were sold for 154s. per lb. Seconds came under the hammer at 122s. per lb. and thirds at 72s. Pickings realised 48s. per lb. There was not much demand for cuttings, which were sold at 10s. per lb., and waste at 6d. per lb. A special condition of the sale stipulated that the castoreum was to be purchased for export only. It is understood that sufficient material was already in the hands of merchants to satisfy home trade requirements.

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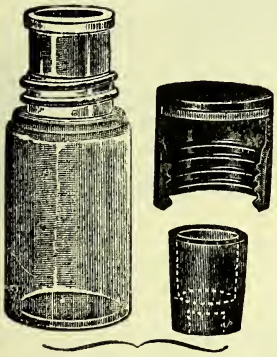

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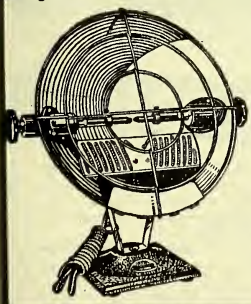

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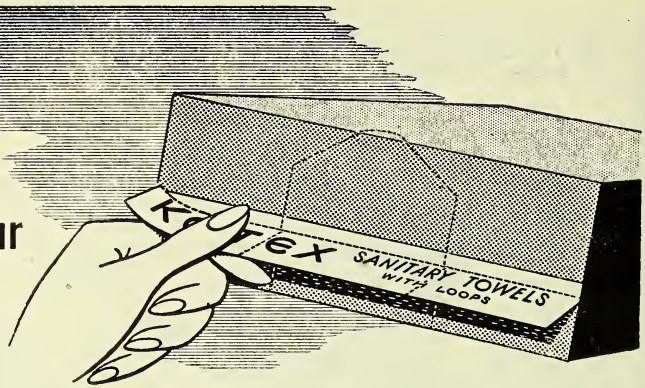

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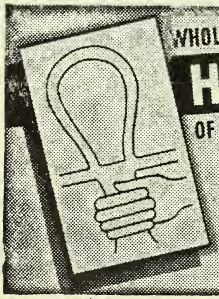

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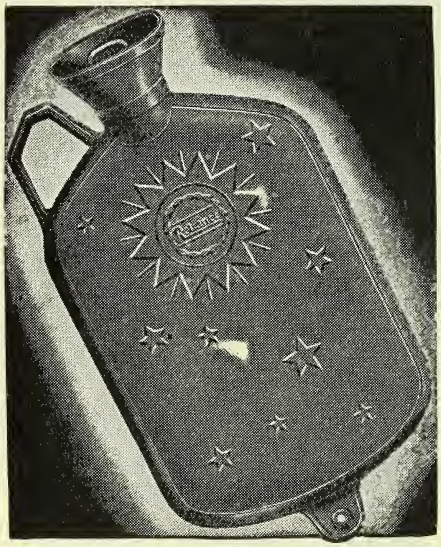
EXPORT BRANCH LYALL WILLIS & CO. LTD. 52, BAKER ST. LONDON, W.1

THE KEYSTONE OF RELIANCE SUCCESS IS TECHNICAL RESEARCH



Shortages caused through 6 years of war cannot be made good in a few months. Regretfully we cannot open new accounts for the present: neither can we meet fully the demands of old customers.

Reliance hot water bottles are being distributed as fairly as possible: soon, we hope, there will be enough for all.

BIF 1947
OLYMPIA & EARLS COURT LONDON 5-16 MAY
SEE OUR EXHIBIT

Reliance

RELIANCE RUBBER CO. LTD.
LOTS ROAD, LONDON, S.W.10
Telephone: Flaxman 6200 and 0985/6
Telegrams: "Doorstop," Fulroad. London

WOMEN KNOW FROM EXPERIENCE THE SECURE COMFORT OF

MENE SANITARY TOWELS

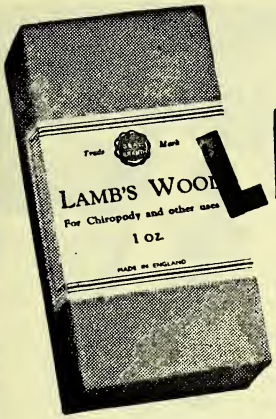
and **MENEX** SOLUBLE

SUPPLY THEM WHENEVER YOU CAN

ROBINSON & SONS LTD · CHESTERFIELD & LONDON

'Pharmitex' PURE TOILET TISSUE is post war quality and for *Chemists only.*

HAROLD WESLEY LTD.
HARLEY MILLS, LONDON, N.W.10



LAMB'S WOOL

FOR

CHIROPODY

AND OTHER USES

½ oz. - - 3/9 doz. 2 oz. - - 12/- doz.
1 oz. - - 6/9 doz. 4 oz. - - 22/6 doz.

Attractively packed in carton with transparent paper wrapping
WHOLESALE TERMS ON APPLICATION
All prices subject to 33⅓% Purchase Tax

MACDONALD & SON LTD.
DAWSON STREET, SALFORD, MANCHESTER, 3.

SUN-GLASSES

- All fitted with non-splint safety or "Crookes-Chances" lenses
- Largest variety! Beautiful range of colours
- Clip-Overs with curved lenses
- Moderate prices:

Obtainable through usual Wholesalers :—
S. Maw & Son Ltd., etc.

Full Retail & Wholesale terms from :

Gerrard, Walters & Co., Ltd.
67-8 HATTON GDN., NEW HOUSE
LONDON, E.C.1
Telephone: HOLborn 5016

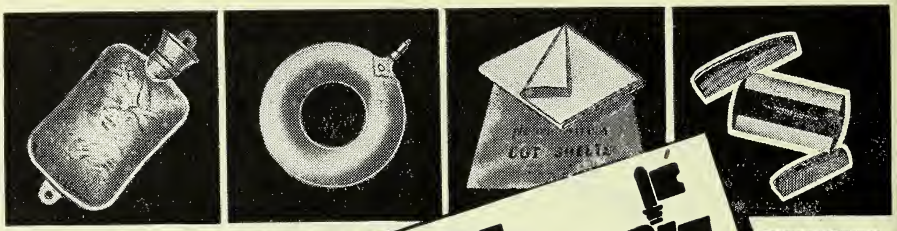
GARDINERS *for* OVERALLS

WHITE DRILL JACKETS, 2 coupons
3 Pockets Chest 34"-46" 9/11

LONG COATS, 3 coupons
White or Grey „ 34"-46" 13/11
„ „ „ „ 48"-52" 15/3
Khaki or Navy „ 34"-46" 15/-
„ „ „ „ 48"-52" 16/6
(Postage—one or two—7d.)

WOMEN'S OVERALLS, 3 coupons
Long Sleeves — White, Saxe, Navy, and Green
Wrap Over Style
SW W & WX OS & XOS
11/6 12/6 13/6
Coat Style, Belted, Button Front
12/9 13/11 15/4
(Postage—1 Coat, 7d.—2, 9d.)
All above shrunk.
(Carriage Paid on Orders of £2.)

GARDINER & CO. (THE SCOTCH HOUSE) LTD.
1, 3 & 5 COMMERCIAL ROAD, LONDON, E.1
Opposite Aldgate East Station 'Phone: BIS 6751 (3 lines)
Branches: DEPTFORD, S.E.8; WOOLWICH, S.E.18
CLAPHAM, S.W.11



No Empties No Fulls

Your supplies of squashes and cordials are now strictly related to the number of empty bottles you return. The Soft Drinks Industry has been compelled to make this rule as only negligible numbers of new bottles are being obtained. You, in turn, must insist upon every customer handing in an empty S.D.I. bottle before you supply a full one, otherwise your future supplies of squashes and cordials will be cut. It is regrettable, and repugnant to the manufacturers, but there is no option. *The fact is the empty bottles are not coming back.*

make a fast rule of

BOTTLE FOR BOTTLE

The Soft Drinks Industry (War Time) Assocn. Ltd. S·D·I 42 Upper Grosvenor Street, London, W.1

CVS—66

STAINED!

For the "professional style" cleaning of DAINTY AND DELICATE FABRICS, SUITS, HATS, SATIN AND BROCADE SHOES, GLOVES, SCARVES, TIES, CARPETS, also for WINDOWS, MIRRORS, BATHS, PAINTWORK, etc., use **Solitaire Dry Cleaner.**

Solitaire Dry Cleaner is perfection itself for the cleaning of all fabrics, no matter how dainty. No chemical bleaching action. Leaves no "ring." Non-inflammable. Different from other solvents—cleans by the action of millions of tiny globules which gently carry away all dirt

Sold in bottles price **1/9** *at Grocers, Chemists, Stores, etc.*

SOLITAIRE DRY CLEANER

FURMOTO CHEMICAL CO. (FACTORS) LTD
1-3 Brixton Road, London, S.W.9

SPECTACLE FRAMES AND SUNGLASSES

for the

HOME TRADE AND EXPORT

•

ENQUIRIES

Invited by

WHOLESALERS ONLY

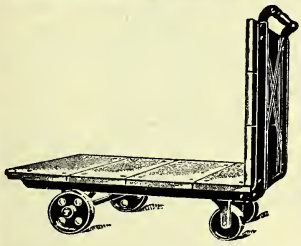
•

FLENOVAK Limited

Fulwood House, Fulwood Place
HIGH HOLBORN
LONDON, W.C. 1
Telephone : HOLborn 8308

TYNE TRUCK & TROLLEY CO. LTD

66/68 NORTHUMBERLAND STREET NEWCASTLE UPON TYNE.1



Trucks and Barrows of every description.

Carboys-Tilters, Sackholders, Etc.

POWERFUL NEW SALES AID

A new type of selling showcard — certain to interest every woman customer. A Lil-lets tampon is illustrated, the special features and advantages of the product are clearly described. This is an attractive, clinical looking card, designed in blue and white; a convenient size for counter or window display. Write for one now.

More and more women are finding that Lil-lets tampons are the most convenient form of protection. Lil-lets are made of highly absorbent cotton wool, *wholly contained* in gauze; they are coated with soluble film for easy insertion. Lil-lets are convenient to buy and to carry. All these advantages are emphasised in national advertising. Lil-lets are in good supply. Order from your usual wholesaler.

LIL-LETS SELL AT
The carton of 12 tampons **1/9**

YOU BUY AT
The dozen cartons nett **15/4**

Lil-lets
INTERNAL PROTECTION

A product of T. J. Smith & Nephew, Ltd., Hull

Makers of Elastoplast

Introducing

PETER PANDA

(TRADE MARK)

the Fly Killer!

Retail price 3d. each

A novel, exclusive D.D.T. Flypaper, strongly impregnated with Leda D.D.T., this little chap will make an instant appeal to your customers and we anticipate a tremendous demand during the forthcoming season. Book your orders now while stocks are available, to save disappointment later. Supplies available only through wholesalers.

Peter Panda is offered in addition to our standard range of D.D.T. preparations, i.e.,

Leda D.D.T. Powder containing 7 % .p.p D.D.T.

Leda D.D.T. Liquid Spray—the exclusive, non-poisonous water preparation.

NEW LINES

Leda D.D.T. Liquid Spray'ng Outfit. Containing one Liquid Spray Gun and one 10 ounce tin of Liquid Spray which screws directly on to the Spray Gun. Each outfit individually boxed with full instructions.

Leda D.D.T. Horticultural Grade, specially prepared for Market Gardeners, etc. Available in 20 ounce tins and also in bulk.

LEDA CHEMICALS LTD.

Telegrams :
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LONDON, N.19

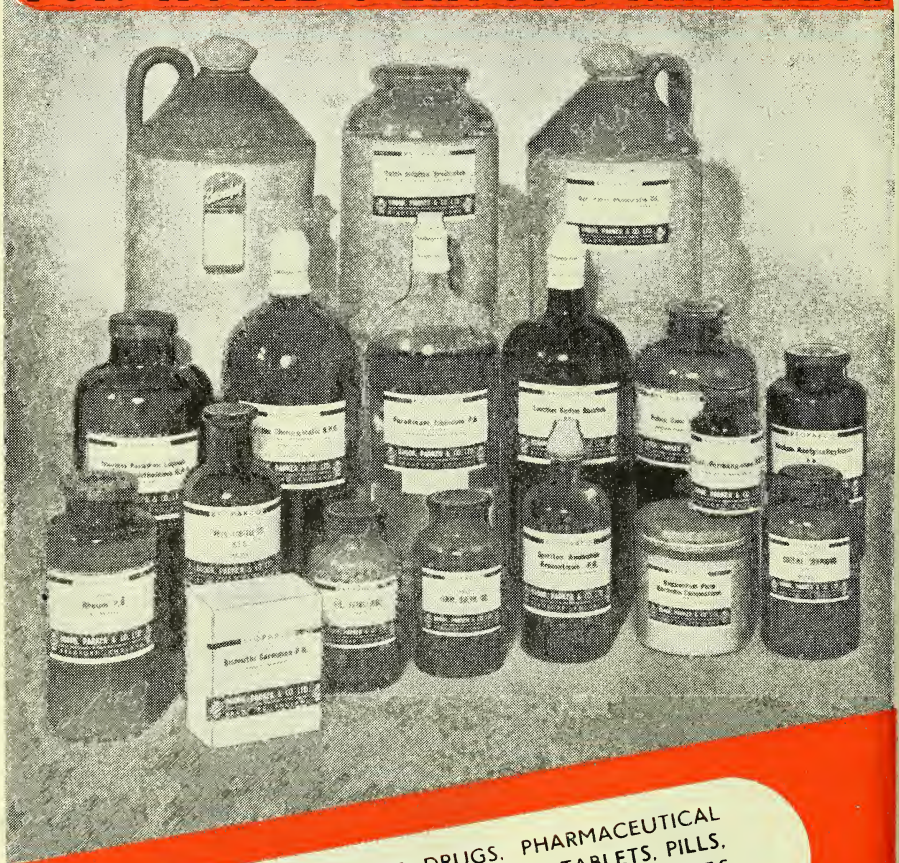
Telephone: ARChway 4877

Sole Agents for Scotland:—
SOUTHERN MANUFACTURING CO., LTD.,
187 St. Vincent Street, Glasgow, C.2.

Sole Agents for N. Ireland:—
WHYTE, REID & MITCHELL, LTD.,
61/63 Donegall Pass, Belfast.

EXPORT ENQUIRIES TO EXPORT DEPARTMENT, 10 PORTMAN ST., LONDON, W.1.

FOR HOME & EXPORT MARKETS



Specialists in VEGETABLE DRUGS, PHARMACEUTICAL CHEMICALS, GALENICALS, COMPRESSED TABLETS, PILLS, PACKED GOODS. ALSO CAPSULES, SUNDRIES DRYSALTERIES, DISINFECTANTS, ETC. PHOTOGRAPHIC APPARATUS, CHEMICALS & SUNDRIES

BROPARCO ASHFIELD TRADE MARK

Brook, Parker & Co. Ltd.

MANUFACTURING CHEMISTS - ASHFIELD - BRADFORD - ENGLAND

TELEGRAPHIC ADDRESS: BROPARCO, BRADFORD - TELEPHONES: BRADFORD 8237-8-9

ESTABLISHED 1870

Kemball, Bishop & Co. Ltd.

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TELEGRAMS: "KEMBALL, LONDON"

CODES: A.B.C. 6th, BENTLEY'S PRIVATE

MANUFACTURING CHEMISTS

CROWN CHEMICAL WORKS, THREE MILL LANE, BROMLEY-BY-BOW, LONDON, E.3.

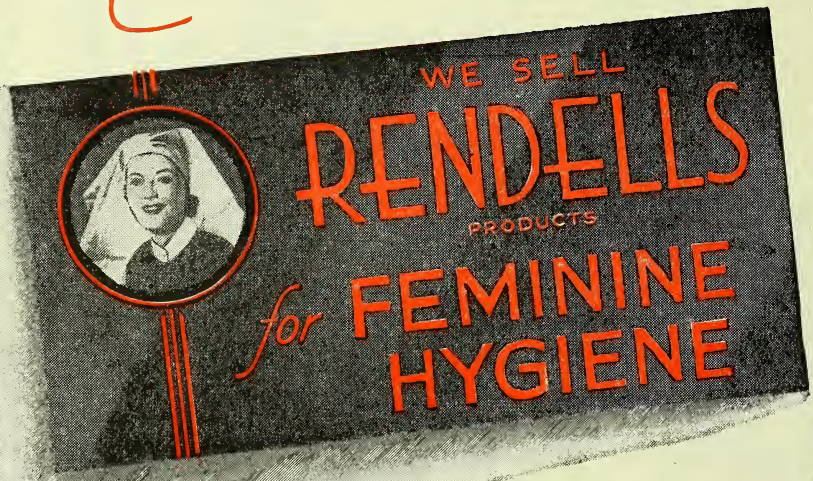
We are exhibiting at the

BRITISH INDUSTRIES FAIR, Stand. A 1169

in Grand Hall, Olympia

The Association of British Chemical Manufacturers have an enquiry office at Stand No. A 1123, Olympia

To Increase your sale of *Rendells* Products



RENDELLS

MENSINOLE

SILATEX

SANTRON

RENDELL GELS

P.A.T.A

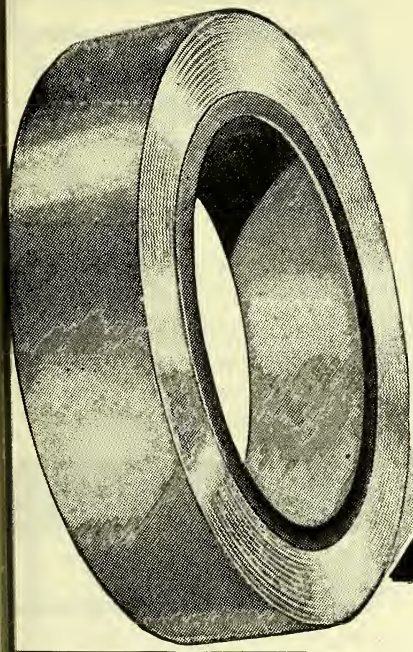
Display this small but dignified sales aid in your window and on the counter.

Produced in solid plastic, it is a permanent tactful reminder that you stock the full range of RENDELLS PRODUCTS FOR FEMININE HYGIENE. It not only creates confidence and goodwill amongst existing customers, but attracts new and regular purchasers-all potential buyers of many other pharmaceutical necessities.

Take this opportunity of increasing business by sending us a postcard today marked "DISPLAY TABLET", and we will send you two of these attractive sales aids by return.

Unfortunately owing to shortage of raw materials, supplies of SANTRON and SILATEX are still limited. Every effort is being made however, to ensure fair and even distribution.

SOLE MANUFACTURERS:
W. J. RENDELL LTD., 161, ROSEBERY AVE., LONDON, E.C.1.



clear or coloured
transparent or opaque
plain or printed

SELLOTAPE, in handy-sized rolls, seals instantaneously. Modest in cost. Printed to choice, is widely used by manufacturing, wholesale and retail chemists for sealing and labelling and bundling in striking yet tasteful fashion. Ask for particulars.

GORDON & GOTCH LIMITED,
Dept. CD4, 75/9, Farringdon Street, London, E.C.4

Sellotape
SELF-ADHESIVE CELLULOSE TAPE

Thinking of
NORTHERN IRELAND

WILL REMIND YOU OF

Belfast Telegraph

The Newspaper with the largest circulation in Northern Ireland. Read in the homes of the people throughout the whole of this important industrial and agricultural part of the

UNITED KINGDOM

HEAD OFFICE: ROYAL AVENUE, BELFAST.

LONDON OFFICE: 112 FLEET STREET, LONDON, E.C.4

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Cox's D.D.T.
FLY & MOTH PAPERS ARE GUARANTEED 100% IMPREGNATION AND TWO YEAR LIFE

NOT JUST A SURFACE COATED PAPER

FLIES DIE IN 5-15 minutes

Send postcard for samples and terms to

JAMES COX & CO
Manufacturing Chemists
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RENTOPINE DDT DISINFECTANT

Advertised extensively in the Press and Woman's Media, RENTOPINE is a guaranteed quick selling line. INCREASE YOUR TURNOVER by stocking this amazingly successful combined Germicide and Insecticide.

RENTOPINE retails at 1/- & 2/- per bottle

Write for particulars and trade terms to

RENTOKIL LTD.

STOCKWELL ROAD · S.W.9
Brixton 6426/7
Works FETCHAM · SURREY

MATERIAL AND LABOUR SHORTAGE

For containers and display outers, and especially for shallow packs, our Patent carton with the clips is unquestionably, in material and labour, the most economical style available today

BOXFOLDIA LTD
BOURNBROOK, BIRMINGHAM

Grams: 'Boxfoldia, Birmingham
Phone: Selly Oak 1164

HATCHWELL MIRACLE MIXTURE *has saved the lives of hundreds of dogs*

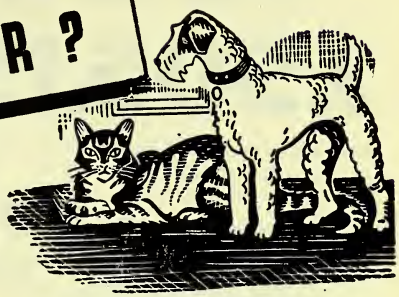
★ ***The Sensible Chemist knows that Pet owners are worth catering for***

Supplies the finest remedies, well advertised, and show more profit than any other similar lines. We do not advertise our Wholesale Prices. You must write to us if you are interested

THE HATCHWELL COMPANY LTD.
BYRON STREET, PRESTON, LANCASHIRE

• *Have you a*

PETS CORNER ?



Have you weighed up the idea of making the dogs and cats in your district into customers? Pet welfare is becoming an increasing public interest. Pet owners are consulting experts about the health of their dogs and cats. Every chemist can turn these facts to profitable advantage by stocking George Bell's Blood Salts for Dogs, and Cat Powders.

Send for Trade Price List to

BELL & SONS, LTD.

Veterinary Chemist

LIVERPOOL, 13

George **BELLS**

BLOOD SALTS for Dogs ★ CAT POWDERS

BRITISH MADE **AMPOULE FILES**

are now available

We are now in a position to manufacture large quantities of Ampoule Files and invite inquiries

DOMINION STEEL CORPORATION LTD.

"FLEET" WORKS
QUEEN'S ROAD, SHEFFIELD, 2

MANUFACTURERS

We are now expanding our selling organisation which is Nation-wide and covered by Resident Representatives. We cordially invite you to contact us if you manufacture Paper Toilet Sundries, Brushware, Manicure Accessories including Lacquer and General Toilet Requisites.

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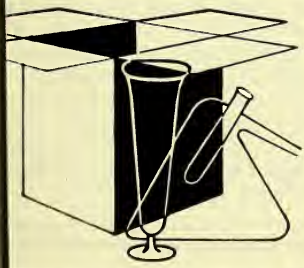


SPECIAL CONTAINERS

. . . FOR SPECIFIC PURPOSES

Consult the Specialists in Cartons and Display

J. DRING LTD

Sales Office: 34 HARLEY STREET, PORTSMOUTH

When this appears —

7,505,192 *will react..*

And that is only ONE shot in the 1947 SPRIM campaign. The SPRIM story will be displayed 237 million times this year through the National Press and selected Women's journals. Watch SPRIM sales soar when the nylons arrive! Sparkling pale-blue SPRIM dresses up your displays, sells on sight . . . and keeps selling on quality. Make sure of YOUR quota now. Write to :— BRITISH DISINFECTANT CO., LTD., TOTTENHAM, N.15.

WE ARE CREATING THE DEMAND *for*

SCRAM

DISPLAY this 3-doz. box
£1 · 5 · 6

NATIONALLY ADVERTISED

EVERY HOUSE WITH A MOUSE BUYS **SCRAM**

From most wholesalers or direct—

SCRAM: 5, Dartmouth Park Hill, London, N.W.5

better than ever

FLIT

When customers use one brand-name to describe a particular class of goods, it's obvious that the brand leads the market. So it is with FLIT—the world's No. 1 insecticide which sells first because it kills in a second!

FOR ALL FLIT CONTAINS D.D.T.
including last year's stock

STEMCO LIMITED, 128 Albert St., Camden Town, N.W.1

WYLIE'S

Abrasive

HAND SOAP

It's QUICK — It's GOOD!

INVALUABLE IN THESE DAYS OF SOAP SHORTAGE

This is the scarlet and pink tin that catches the customer's eye — outstanding on your shelf, compelling in its attractiveness: WYLIE'S Abrasive HAND SOAP is kind to sensitive skins, it cleans and protects hands, making them soft and supple while gently removing grime. No grit, acid or caustic. A quality line worthy of warm recommendation. Write us now for full details.

NO COUPONS

1/6

IN THE PINK AND RED TIN

WYLIE'S CLEANSERS LTD., 12 DARTMOUTH STREET, LONDON, S.W.1

B. B.

TESTED INSECTICIDES

The makers of B. B. Insecticides offer 2 quick selling lines for 1947

- **3 WAY ACTION D.D.T. INSECTICIDE POWDER**
  ATTRACTIVE PACK
  APPROX. 4 OZ. SPRINKLER DRUM
  SHOWS 40% PROFIT

- **B. B. BRAND D.D.T. FLY PAPERS**
  THE SEASON'S BEST SELLER
  Owing to improved methods of deep imgregnation we are able to retail at
  2d. each

Trade Discounts Unchanged. Size Maintained

ORDER NOW For April or May Delivery *(Samples on Request)*

HOME and EXPORT

Inquiries to —

B.B. INSECTICIDES, 2 BELGRAVE PARADE, STOKE POGES LANE, SLOUGH, BUCKS.

SEE OUR EXHIBIT

British Industries Fair — Olympia

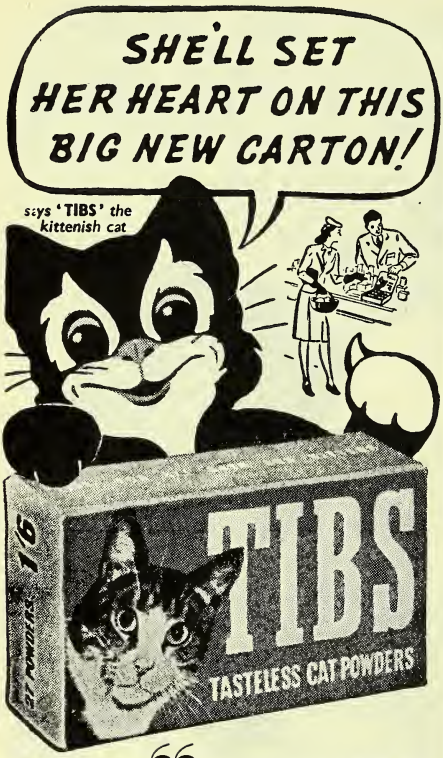
MAY 5th—MAY 16th

Stand A. 1356

(Ground Floor, Grand Hall)

Tintex

THE WORLD'S LARGEST SELLING HOME DYE



"It's the ladies (bless 'em) who look after us cats—and as every kitten knows, ladies judge by appearances. Catty remark? Well, just wait till you've got this smart new carton on your counter. It'll catch the feminine eye like a saucy wink, sure as my name's 'Tibs.' What's more, you'll like selling it better–1/6 a time and easier to handle. Remember too, 'Tibs' customers have a pleasant habit of coming back—like cats."

ORDER FORM

To BOB MARTIN LTD., Room 162, Southport, Lancs.

'TIBS' CAT POWDERS

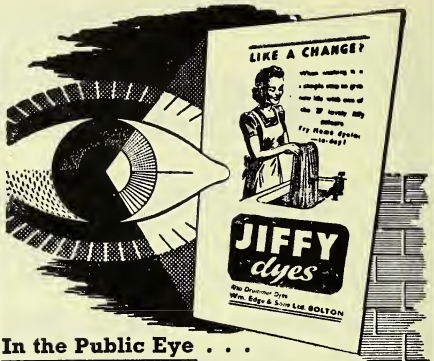
1/6 SIZE CARTONS ..... doz.

7d. SIZE PACKETS ..... doz.
(in multiple of 2 doz.)

NAME .....

ADDRESS .....

.....



In the Public Eye . . .

We have continued to support the retailer by keeping JIFFY DYES always in the public eye. Now that supplies are growing better each day the value of firmly upholding "goodwill" must inevitably show itself. It pays to stock "goodwill" lines.

JIFFY DYES

Also **DRUMMER DYES**

Made by Wm. EDGE & SONS LTD. - BOLTON

219

GOOD NEWS FLASH

Wanie BLADES REDUCED TO 1½D each Including Purchase Tax

TRADE PRICE: 9/9 per gross, PLUS 3/3 per gross Purchase Tax

NOW AVAILABLE

OBTAIN YOUR SUPPLIES FROM YOUR USUAL WHOLESALER. IF ANY DIFFICULTY *Apply to:*

LONDON & PROVINCIAL FACTORS LTD

WANIE HOUSE 230 Tottenham Ct. Rd. London W 1.

Phone MUSeum 9646. Telegrams WANIEBLADE PHONE LONDON

There will be a BIG DEMAND for

'Pyriddit'

TRADE MARK

D.D.T. FLY SPRAY

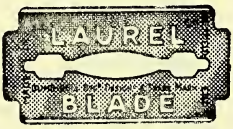
Made by the 'CERESAN' people

We advise you to get your stock NOW!

BAYER PRODUCTS LIMITED • AFRICA HOUSE • KINGSWAY • LONDON • W.C.2
Agricultural Dept.

PROFITABLE LINES

Always in DEMAND



BLADES
RETAIL PRICE . . . 1½d. each

NATIONALLY ADVERTISED

Manufactured by

Geo. H. LAWRENCE LTD.

SHEFFIELD, 3, ENGLAND

Distributors in Scotland and Northern Ireland
PHARMACEUTICAL DISTRIBUTORS (GLASGOW) LTD
187 ST. VINCENT STREET, GLASGOW C.2

"OXOID"

Therapeutical Preparations

"OXOID" Brand

PITOXYLIN

Pituitary Extract (Posterior Lobe)

Use

INDUCTION OF LABOUR

UTERINE INERTIA

POST-PARTUM HAEMORRHAGE

SURGICAL SHOCK

DIABETES INSIPIDUS

Supplied

Bottles — 10 c.c. and 20 c.c.
(Strength—10 I.U. per c.c.)

Ampoules — 0.5 c.c. and 1 c.c.
(Strength—5 and 10 I.U. per c.c.)

Notes

Further information may be obtained from "Oxoid" Leaflet No. 123.

OXO LIMITED

Thames House, Queen St. Place, London, E.C.4

Dr White's

SANITARY TOWELS

Made by Specialists in Surgical Dressings

Supplies unavoidably restricted at present

ARTHUR BERTON LTD.
256/260 Old St., London, E.C.1

Wrens (PTY) LTD. THE CHEMISTS

P.O. BOX 1689 JOHANNESBURG
SOUTH AFRICA

Sole Distributors and Stockists for REVLON EXPORT Corp., NEW YORK, also VIV Pharmaceuticals Ltd., WINCHESTER, England, etc.

SEEK REPRESENTATION for non-competitive Agencies in TOILET, PATENTED and PROPRIETORY PREPARATIONS for the UNION of SOUTH AFRICA,
Northern & Southern Rhodesia, Portuguese East Africa, S.W. Africa and Nyassaland.

For all our Purchases cash payments in London

Penicillin Therapy by Inhalation

For the satisfactory atomisation of PENICILLIN solution, in any strength, no better instrument will be found than the DRITAX UNIVERSAL INHALER

Advantages :-

1. **All glass, no loose parts.**
2. **Very easily and quickly cleaned.**
3. **Sterilised by boiling or autoclave.**
4. **Atomises full dose ordered.**
5. **Supplied with Face Mask and Nosepiece.**
6. **Price 27/6 complete, retail, less 38½% trade.**

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AXTELL HOUSE, WARWICK ST., LONDON, W.1

P.A.T.A.

More and more women are ironing their way to beauty with the

ionette

Supplies of this first class Beauty Iron are readily available to chemists and stores handling only high quality specialities.

94 PRODUCTS LTD., 35 PARKGATE Rd S.W.11

PRICE INCREASE

Rising costs have necessitated an increase in the prices of Yestamin Vitamin Yeast, but it still remains the finest value obtainable.

Yestamin

VITAMIN **YEAST**

Vitamin B1	2.10 *mgms. per oz.*
Riboflavin(B2)	1.45 *mgms. per oz.*
Niacin	9.50 *mgms. per oz.*

NEW PRICES

In Bottles	*Retail*	*Trade*
100 TABLETS	1/6	12/3 PER DOZ.
300 TABLETS	4/-	33/- PER DOZ.

Less 5% Cash in 14 days

THE ENGLISH GRAINS Co. Ltd., Burton-on-Trent

As an Antacid
or in febrile conditions
MEDICINAL
Lembar

justifies the doctor's highest recommendation
Available in limited quantities

Soluble extract of
Barley ... 7.4%
Sugar 23.7%
Glucose ... 10.4%
Lemon Juice 37.0%

Plus Flavouring and permitted preservative

The above percentages are expressed in weight per given volume

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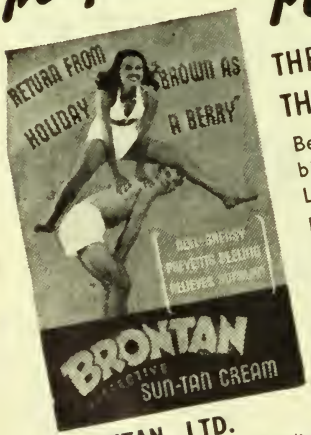

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The price increase has been authorised by the Central Price Regulation Committee, but it will be necessary for stocks purchased before May 1st, 1947, to be retailed at the current price.

Genatosan Ltd. sincerely regret the necessity for the present increase, and take this opportunity of thanking members of the Pharmaceutical Profession for their forbearance concerning the shortage of supplies.

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6oz. BATH SOAPS	Per Dozen	Purchase Tax	Selling Price per Tablet
No. 2081 Imperial Leather -	10/9d	3/6d	1/5½d
No. 2068 Apple Blossom - -	10/9d	3/6d	1/5½d
No. 2094 Lime Blossom - -	10/9d	3/6d	1/5½d

3oz. TOILET SOAPS	Per Gross	Purchase Tax	Selling Price per Tablet
No. 2098 Imperial Leather -	67/-	21/9½d	9d
No. 2100 Clover Cream - -	55/6d	18/0½d	8d
No. 2102 Russian Rose - -	62/-	20/2d	8½d
No. 2241 Creamolive - -	41/6d	13/6d	5½d

SHAVING SOAP	Per Dozen	Purchase Tax	Selling Price Each
No. 2200 Chubby Shaving Soap	20/-	6/6d	3/-
No. 2201 Chubby Refill - -	13/6d	4/4¾d	2/-

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